



Five-Year Review Report

Second Five-Year Review Report for Chevron Chemical Company Site

Orlando
Orange County, Florida

Prepared by:

United States Environmental Protection Agency
Region 4
Atlanta, Georgia

September 2008



GOOD SCIENCE • HARD WORK • CREATIVE THINKING 

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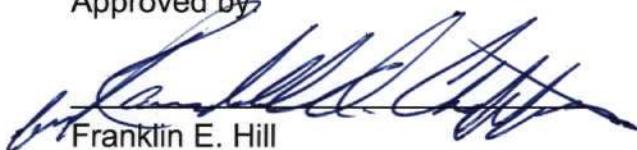
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Approved by:



Franklin E. Hill

Director, Superfund Division

Date:

9-30-08





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List of Acronyms and Abbreviations

AOC	Administrative Order on Consent
ARARs	applicable or relevant and appropriate requirements
ATSDR	Agency for Toxic Substances and Disease Registry
BHC	hexachlorocyclohexane
BRA	baseline risk assessment
BTEX	benzene, toluene, ethylbenzene, and xylenes
CCC	Chevron Chemical Company
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
Ch.	Chapter
Chevron EMC	Chevron Environmental Management Company
COC	constituent of concern
DBP	p,p-dichlorobenzophenone
DDA	bis(p-chlorophenyl)acetic acid
DDD	1,1-dichloro-2,2-bis(p-chlorophenyl)ethane
DDT	1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane
DO	dissolved oxygen
EHC	EHC™ bioremediation technology
EPA	Environmental Protection Agency
ESD	Explanation of Significant Differences
FDEP	Florida Department of Environmental Protection
FAC	Florida Administrative Code
FYR	five-year review
γ-BHC	lindane
GCTL	groundwater cleanup target level
HQ	hazard quotient
IC	institutional control
MCL	maximum contaminant level
MDL	method detection limit
MNA	monitored natural attenuation
NCP	National Contingency Plan
NFA	no further action
NPL	National Priorities List
O&M	operation and maintenance
ORP	oxidation/reduction potential
OU	operable unit
PRB	permeable reactive barrier
RAO	remedial action objective
RD/RA	remedial design / remedial action
RfD	reference dose
RI/FS	remedial investigation / feasibility study
ROD	Record of Decision
RPM	remedial project manager
§	Section
SACM	Superfund Accelerated Cleanup Model
SFWMD	South Florida Water Management District
TOC	total organic carbon
UAO	Unilateral Administrative Order
VOC	volatile organic compound



Executive Summary

Executive Summary

Introduction

This is the second five-year review (FYR) for the Chevron Chemical Company (CCC) Site in Orlando, Florida (the Site). It is a statutory review triggered by the signature date of the first FYR, May 2, 2003. The Site has one operable unit (OU). The portion of the Site that was historically operated as a pesticide- and nutritional-spray-formulating plant, and subsequently as a truck sales and service company, comprises 4.39 acres and is currently vacant. This property is now owned by Chevron USA.

The remedy for the Site included installation of monitoring wells and fencing, implementation of institutional controls (ICs), and monitored natural attenuation (MNA) of groundwater. An emergency removal action began in December 1991 and was completed in September 1992. An additional removal action was conducted at the Armstrong Trailer Park, north of and adjacent to the Chevron property, in 1994. The Environmental Protection Agency (EPA) determined in the 1996 Record of Decision (ROD) that the remaining soil posed no unacceptable risks to human health or the environment and that no further action (NFA) was necessary for soil.

The baseline risk assessment (BRA) found that groundwater would pose unacceptable health risks to future residents via the ingestion pathway. Groundwater was therefore the medium of concern for the remedial actions specified in the ROD. The remedial action objectives (RAOs) for groundwater included the following:

- prevention of potential exposure to contaminated groundwater,
- prevention of further groundwater quality degradation, and
- restoration of groundwater quality to the cleanup levels specified in the ROD.

The remedy for groundwater focused primarily on BTEX compounds (benzene, toluene, ethylbenzene, and xylenes) and pesticides. The selected cleanup goals for groundwater

constituents of concern (COCs) were developed based on either federal or state maximum contaminant levels (MCLs), secondary MCLs (SMCLs), or risk-based concentrations set to the Florida Department of Environmental Protection's (FDEP's) preferred cancer risk level of 1×10^{-6} . The groundwater remedy selected in the ROD consisted of the following items:

1. deed restrictions/notices or ICs to prohibit consumption of contaminated groundwater until cleanup standards have been met;
2. routine maintenance at the Site, including fence maintenance, grass mowing, etc.;
3. natural attenuation of contaminants in groundwater, with quarterly monitoring; and
4. a contingency plan that includes the installation of a subsurface filter wall, and other measures such as limited air sparging, hydraulic gradient control, or source removal, as needed.

In July 2000, the EPA issued an Explanation of Significant Differences (ESD) that changed the selected groundwater cleanup goals for ethylbenzene and xylenes from secondary to primary standards. The cleanup goals developed in the ROD for these two contaminants had been based on secondary standards, due to the possibility of their contribution to the mobility of the pesticides. Further studies showed that this was not occurring, which was the basis for the revision of the cleanup standards.

The objective of reducing groundwater contaminant levels to the selected remediation goals has yet to be achieved. Groundwater sampling is ongoing to provide information on the performance of the MNA remedy. Groundwater sampling and analytical schedules were specified in the ROD and modified during the first FYR.

In May 2004, α -hexachlorocyclohexane (α -BHC) was detected in MW-15, one of the sentinel wells for the Site. Subsequent sampling in May and July 2004 confirmed the presence of α -BHC in this well. These detections triggered more frequent sampling of the existing monitoring well network, installation and sampling of additional monitoring wells, and a pilot study to evaluate a potential contingency measure (installation of a

subsurface barrier wall), as specified in the ROD. A work plan to conduct a groundwater pilot study to install and evaluate permeable reactive barriers (PRBs) was conditionally approved by the EPA in October 2006. Three PRBs were installed as specified in the work plan in April 2007, and six additional PRBs were installed in November 2007. On-site soil and groundwater concentrations are also being evaluated to determine if additional soil excavation or on-site groundwater treatment may be necessary. After the effectiveness of the PRBs is evaluated and the pilot study is complete, and after the evaluation of further on-site actions has been completed, the EPA may issue another ESD in order to invoke the contingency remedy.

Technical Assessment

According to the data reviewed, the site inspection, and the interviews, the remedial components in place are currently protective of human health and the environment. Soil on the Chevron property and on the adjacent property to the north poses no unacceptable risks to current or future receptors due to direct contact with soil. The groundwater remediation goals have not yet been achieved, but the remedy for groundwater is still protective because there is no current exposure to groundwater. There are currently no potable or irrigation wells within the extent of the plume, and an IC prohibiting potable uses of groundwater on the Site is in place.

Conclusion

The results of this second FYR indicate that the remedy is currently functioning as intended in the ROD. The remedy is protective of human health and the environment because the remaining soils on the Site and at the former Armstrong Trailer Park do not present unacceptable risks to current and potential future human receptors, and contaminated groundwater is not being used for potable purposes.

Recent data indicate that the MNA portion of the remedy requires further evaluation. The ROD specifies that contingency measures be taken if organic contaminants are detected in the sentinel wells. The primary contingency measure, the installation of subsurface walls, has been implemented on a pilot-study basis. The following actions are

recommended to further evaluate the components of the remedy and assure its future protectiveness:

- Complete the pilot study to evaluate the effectiveness of PRBs to refine the subsurface filter wall contingency remedy and evaluate other contingency options that may enhance the effectiveness of MNA, including additional on-site soil excavation and/or groundwater treatment. After completion of the pilot study, issue an ESD to implement the contingency remedy.
- Collect soil data to evaluate if any residual source areas remain on-site at levels that would allow leaching of contaminants into the groundwater and result in continued, off-site migration of contaminated groundwater, affecting the success of the MNA remedy.
- Work with St. Johns River Water Management District to restrict the installation of irrigation and/or potable water wells on parcels in close proximity to the Chevron property and the contaminant plume boundary.
- Collect additional groundwater data in order to completely delineate the horizontal and vertical extent of groundwater contamination.
- Evaluate the available data against regulatory revisions to the ROD and removal action cleanup goals. If needed, issue an ESD to revise the cleanup goals to those that are determined to be protective.
- After installation of new monitoring wells is complete, collect one full round of samples, analyze them for all 12 site-related contaminants listed in Table 9 of the ROD, and compare the groundwater concentrations to the cleanup goals. Based on these and historical results, modify the groundwater monitoring program, if warranted.

Five-Year Review Summary Form

SITE IDENTIFICATION			
Site name (<i>from WasteLAN</i>): Chevron Chemical Company			
EPA ID (<i>from WasteLAN</i>): FLD 004 064 242			
Region: 4	State: FL	City/County: Orlando/Orange	
SITE STATUS			
NPL status:	Final	Deleted	Other (specify): _____
Remediation status (choose all that apply): Under construction Operating Complete			
Multiple OUs?* Yes	No	Construction completion date: 2/10/1998	
Has site been put into reuse?		Yes	No
REVIEW STATUS			
Lead agency:	EPA	State	Tribe Other Federal Agency: _____
Author name: William C. Denman			
Author title: Remedial Project Manager	Author affiliation: EPA, Region 4		
Review period:** November 2007 to April 2008			
Date of site inspection: December 13, 2007			
Type of review:	Post-SARA Non-NPL Remedial Action Site Regional Discretion	Pre-SARA	NPL-Removal only NPL-State/Tribe-lead
Review number:	1 (first)	2 (second)	3 (third) Other (specify) _____
Triggering action:	Actual RA On-site Construction at OU #1 _____ Construction Completion Other (specify) Previous Five-Year Review Report		
Triggering action date (<i>from WasteLAN</i>): 5/2/2003			
Due date (<i>five years after triggering action date</i>): 5/2/2008			

* ["OU" refers to operable unit.]

** [Review period should correspond to the actual start and end dates of the Five-Year Review in WasteLAN.]

Five-Year Review Summary Form, cont'd.

Issues:

- Organic contaminants have been detected in sentinel monitoring wells MW-11 and MW-15, triggering the ROD contingency. Insufficient data are available at this time to complete an evaluation of the contingency measures to be implemented in response to detection of organic contaminants in the sentinel wells.
- Insufficient data are available to determine whether contaminants above groundwater cleanup goals are leaching from residual contaminated soils at the Site into the groundwater at levels that allow for continued, off-site migration of contaminated groundwater and that affect the success of the MNA remedy.
- Potential for exposure to contaminated groundwater exists due to the installation and use of irrigation and/or potable water wells on parcels in close proximity to the Chevron property and the contaminant plume boundary.
- The contaminant plume boundary is not adequately defined horizontally or vertically, particularly north of MW-29D, northwest of MW-2D, and south of MW-39D.
- Regulatory changes and changes in toxicity information have resulted in the revision of several of the cleanup goals in the ROD and in the soil cleanup goals used during the removal action (Table 5).
- Numerous additional groundwater monitoring wells have been installed at the Site to fully delineate the contaminant plume. However, these new wells have not been sampled for all 12 site-related contaminants listed in Table 9 (Compliance Testing) of the ROD.

Recommendations and Follow-Up Actions:

- Complete the pilot study to evaluate the effectiveness of PRBs to refine the subsurface filter wall contingency remedy and evaluate other contingency options that may enhance the effectiveness of MNA, including additional on-site soil excavation and/or groundwater treatment. After completion of the pilot study, issue an ESD to implement the contingency remedy.
- Collect soil data to evaluate if any residual source areas remain on-site at levels that would allow leaching of contaminants into the groundwater and result in continued, off-site migration of contaminated groundwater, affecting the success of the MNA remedy.

- Work with St. Johns River Water Management District to restrict the installation of irrigation and/or potable water wells on parcels in close proximity to the Chevron property and the contaminant plume boundary.
- Collect additional groundwater data in order to completely delineate the horizontal and vertical extent of groundwater contamination.
- Evaluate the available data against regulatory revisions to the ROD and removal action cleanup goals. If needed, issue an ESD to revise the cleanup goals to those that are determined to be protective.
- After installation of new monitoring wells is complete, collect one full round of samples, analyze them for all 12 site-related contaminants listed in Table 9 of the ROD, and compare the groundwater concentrations to the cleanup goals. Based on these and historical results, modify the groundwater monitoring program, if warranted.

Protectiveness Statement(s):

The remedy at the Chevron Chemical Company Site currently protects human health and the environment because risks associated with the remaining soils are considered acceptable for industrial use; Site access is being discouraged through fencing; and contaminated groundwater is not being used for potable purposes. No drinking or irrigation wells exist currently within the impacted area, and ICs have been implemented to prevent exposure to groundwater on the Chevron property.

Attainment of the groundwater cleanup goals is expected to be achieved through MNA. In order for the remedy to be protective in the long term, additional ICs need to be identified and/or implemented to restrict the use of water within the affected area until cleanup goals are attained, and the effectiveness of the PRBs needs to be verified.

Other comments:

None.



Text

1 Introduction

The purpose of a five-year review (FYR) is to evaluate the performance of a selected remedy to determine whether it will continue to be protective of human health and the environment. The methods, findings, and conclusions of FYRs are documented in FYR reports. FYR reports also identify issues found during the review, and present recommendations for addressing them. This FYR report is prepared pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) §121 and the National Contingency Plan (NCP). CERCLA §121 states:

If the President selects a remedial action that results in any hazardous substances, pollutants, or contaminants remaining at the site, the President shall review such remedial action no less often than each five years after the initiation of such remedial action to assure that human health and the environment are being protected by the remedial action being implemented. In addition, if upon such review it is the judgment of the President that action is appropriate at such site in accordance with section [104] or [106], the President shall take or require such action. The President shall report to the Congress a list of facilities for which such review is required, the results of all such reviews, and any actions taken as a result of such reviews.

This requirement is interpreted further in the NCP; 40 CFR §300.430(f)(4)(ii) states:

If a remedial action is selected that results in hazardous substances, pollutants, or contaminants remaining at the site above levels that allow for unlimited use and unrestricted exposure, the lead agency shall review such action no less often than every five years after the initiation of the selected remedial action.

The Chevron Chemical Company (CCC) Site in Orlando, Florida (the Site) has one operable unit (OU) that will be discussed in this report. The OU addresses soil and groundwater contamination at the Site. Several removal actions and one remedial action have been completed at this Site and monitoring is ongoing.

This is the second FYR for the Site. The triggering action for this statutory review was the filing of the first FYR report in May 2003. The review is required because groundwater contaminants remain above the cleanup levels specified in the Record of Decision (ROD) and because upon completion of the remedial action, hazardous

substances, pollutants, or contaminants will remain on the Site above levels that would allow for unlimited use and unrestricted exposure. This FYR was conducted by the United States Environmental Protection Agency (EPA), Region 4, with contributions from Chevron Environmental Management Company (Chevron EMC), Geomega Inc., ARCADIS BBL, and TASK Environmental Inc., and input from the Florida Department of Environmental Protection (FDEP).

2 Site Chronology

Table 1 presents a chronology of events that have occurred at the Site.

3 Background

3.1 Physical Characteristics

The Site is located in Orange County, Florida, at 3100 North Orange Blossom Trail (US Highway 441) near the city of Orlando (Township 22 S, Range 29 E, Section 15) (Figure 1). The portion of the Site owned by Chevron, and used historically for pesticide formulation and subsequent truck repair, is 4.39 acres. This portion of the Site is currently unoccupied, devoid of permanent structures, and fenced to discourage access.

The Lake Fairview Commerce Center and active railroad tracks operated by CSX Corporation Inc. are located across the highway to the northeast of the Chevron property. Lake Fairview, a 400-acre remnant karst lake, is located ~700 ft northeast of the property (Figure 2).

The Site is underlain by a surficial aquifer and the deeper Floridan aquifer. The surficial aquifer is encountered at a depth of 10 ft or less, with a saturated thickness of 17 to 40 ft. It is comprised of interbedded quartz sand, silt, and clay, and multiple water-producing zones are present in the vicinity of the Site. The Floridan aquifer is encountered at a depth of ~70 ft.

3.2 Land and Resource Use

Land use in the areas to the south and west of the Chevron property is light industrial, and historically included two construction companies with underground storage tanks, two gasoline service stations with underground storage tanks, a door and trim manufacturing company, and a lumber company. A small engine-repair shop is located adjacent to the northeast corner of the Chevron property. The nearest residential property consists of a trailer park that is located across North Orange Blossom Trail, to the northeast of the Chevron property. Two other residential properties—the Armstrong Trailer Park, previously located immediately north of the Site, and the 441 Trailer Park, located north of the Armstrong Trailer Park property—no longer exist. Those properties were sold in

2006 and 2001, respectively, and all associated mobile homes have been removed. One resident now lives in a building on the former Armstrong Trailer Park property.

Land at and in areas surrounding the Chevron property is zoned commercial and industrial (Figure 3), including that occupied by the trailer park across North Orange Blossom Trail. Given the zoning classification for the trailer park property, future land use on this parcel may also change to commercial/industrial.

It is unknown whether contaminated groundwater extends underneath the trailer park across North Orange Blossom Trail. A request to install two wells on the property, to evaluate this issue, were declined by the property owner, Robert J. Khoury, in a letter dated May 5, 2008.

The Chevron property was operated as a pesticide- and nutritional-spray-formulating plant between 1950 and 1976. In 1978, the property was sold by CCC to Robert Uttal. A truck sales and service company (Central Florida Mack Trucks) operated on the property until 1986, and the property was leased to another operator for vehicle storage from 1987 to 1991. CCC repurchased the property in foreclosure from First Union Bank and the Resolution Trust Company in 1993 and 1994, respectively, and Chevron USA is the current property owner.

The Chevron property is unoccupied and fenced to discourage access. Groundwater in the surficial aquifer underlying the property is currently not used as a source of drinking water. All properties located downgradient from the Chevron property receive municipal water. Based on a well survey conducted in 2008, the nearest residence that draws water from the surficial and/or Floridan aquifer is located approximately one mile northeast of the Site. It is not known whether all existing wells were included in the information obtained from the St. Johns River Water Management District. However, it is known that no private wells are currently located within the area where groundwater has been impacted.

Future land use at the Site is expected to be commercial or industrial. A restrictive covenant has been implemented to prevent residential development and use of groundwater at the Chevron property. The covenant is provided in Appendix A. These restrictions may be rescinded once the EPA and FDEP cleanup target levels for soil and groundwater have been achieved.

3.3 History of Contamination

Chevron Chemical Company (CCC)

After the purchase of the Site in 1950, CCC constructed a pesticide formulation plant and operated it through 1976. The facility received unblended products in bulk liquid and powder form, and combined the products to formulate pesticides and nutritional sprays for bulk wholesale distribution. The unblended products were delivered primarily by rail, with drum-packaged, formulated products removed by truck.

Parathion, chlordane, phaltan, captan, malathion, and paraquat were the primary products formulated at the Site. DDT, difolatan, lindane, dieldrin, aldrin, dibromamine, and aqueous solutions of copper, zinc, manganese, sulfur, and boron (nutritional sprays) were also produced. Chemical carriers and solvents used in pesticide formulation included xylenes, kerosene, mineral oil, mineral spirits, ethylbenzene, and aromatic naphtha.

An office building and a warehouse were historically located on the property. CCC discontinued the formulation of pesticides in 1976. Rinsate ponds, used for the collection and disposal of pesticide-formulation rinse water, drum rinse water, and floor washdown water, were backfilled with soil prior to the sale of the Site.

Central Florida Mack Trucks

Mr. Utall owned the property from 1978 to 1991. From 1978 to 1986, Central Florida Mack Trucks operated on the property, repairing and servicing diesel engine trucks. Body work and painting were also conducted on the property. The facility generated waste oil and waste degreasing solvent from the engine- and parts-cleaning operation. A waste-oil trough was located along the railroad spur on the southwestern side of the Site. Used oil

filters, waste oil, diesel fuel, paint, and partially filled drums of powdered pesticides were discovered in the rinsate pond area during the 1992 emergency removal action, along with discarded truck parts and debris. The collocation of these materials demonstrates that they were buried during the period of operation of the Mack Truck facility.

In March 1984, a tanker truck owned by Waste Management Inc., containing 3% hydrochloric acid and an unknown grade of nitric acid, was stored on the property for repair. The tanker leaked an estimated 3,000 to 6,000 gallons of acid, which resulted in an explosion in the vicinity of the western rinsate pond. Waste Management reportedly excavated the spill area and disposed of the contaminated soils. The excavation was backfilled with clean fill.

3.4 Initial Response

Initial environmental investigations were conducted at the Site from 1982 to 1989. The results of these investigations indicated the presence of pesticides, metals, and volatile organic compounds (VOCs) in soil and/or groundwater. In 1990, CCC entered into an Administrative Order on Consent (AOC) with the EPA to conduct a contamination assessment and develop a removal action plan for the property. The results of the assessment were used to define general areas of soil and groundwater contamination and to plan a removal action for soil. CCC obtained authorization to proceed with the removal action in August 1991, and it was conducted from December 1991 through September 1992. During the removal action, remaining structures were demolished and removed; 17,780 tons of pesticide-contaminated soil were excavated and properly disposed of off-site; 4,900 tons of petroleum-contaminated soil were excavated and treated on the property; 90 to 100 gallons of a free-phase liquid were extracted from subsurface soils and disposed of off-site; and 126,000 gallons of storm water and groundwater recovered during the soil excavation were treated and discharged into an infiltration trench on the property. All excavated areas were backfilled with clean soil and the property was graded and seeded.

In 1993, CCC voluntarily entered into an AOC with the EPA to conduct a remedial investigation/feasibility study (RI/FS), pursuant to the EPA's Superfund Accelerated Cleanup Model (SACM). The intent of this RI/FS was to further evaluate the migration of groundwater contaminants and investigate the potential for soil contamination at the adjacent Armstrong Trailer Park. The RI/FS was conducted from April 1993 through April 1994.

Based on the results of the RI/FS, an additional removal action was conducted in March and April 1994 to remove a one-foot layer of soil in five designated areas of the Armstrong Trailer Park. This removal action included removing 227 tons of soil, infilling the excavated areas with clean soil, grading, and laying sod.

The Site was listed on the EPA's National Priorities List (NPL) in May 1994. The listing was based on analytical results indicating the presence of pesticides, metals, and hydrocarbons in groundwater. The RI/FS report was finalized in March 1995 and resulted in a ROD that specified the groundwater remedy for the Site, set groundwater remediation goals, and concluded that no further action (NFA) was necessary for soil on the Chevron property or at the former Armstrong Trailer Park.

In July 1997, the EPA issued a Unilateral Administrative Order (UAO) to implement the actions set forth in the ROD. Under the UAO, Chevron EMC continues to monitor the groundwater biannually and submit the results to the EPA for review.

3.5 Basis for Taking Action

The first removal action, conducted in 1991/1992, was based on removal and cleanup levels defined by the Agency for Toxic Substances and Disease Registry (ATSDR) to protect humans from exposure to chemicals through inhalation and dermal contact. The ATSDR specified removal goals for all of the pesticides detected, and used chlordane, the most abundant organic chemical in soil, as a surrogate for all chlorinated pesticides. Default cleanup goals of 50 and 100 mg/kg for soil between 0 and 1 ft and soil between 1 ft and the water table, respectively, were used to guide the removal action.

The 1994 removal action for soil at the Armstrong Trailer Park focused on shallow (0 to 1 ft) soil. The cleanup goal was 4.9 ppm for chlordane and was based on protection of human health in a residential setting.

A baseline risk assessment (BRA) was conducted as part of the RI/FS. The purpose of the BRA was to evaluate whether exposure to soil and/or groundwater would pose unacceptable risks to current and future human receptors or the environment.

Unacceptable risk is defined in the ROD as a carcinogenic risk level above the EPA's 1×10^{-4} to 1×10^{-6} acceptable risk range, or a noncarcinogenic hazard quotient (HQ) greater than 1.0.

The BRA evaluated post-removal conditions for soil. Using the results of the BRA, the EPA concluded that there were no unacceptable risks from direct contact exposure to soil at the Site under current or potential future land use conditions. Potential risks from current and future direct contact exposure to the soil at the Armstrong Trailer Park were also found to be within the EPA's acceptable risk range. In addition, soils were found to pose no unacceptable risk to ecological receptors. The ROD therefore specified that NFA was necessary to address the soil. FDEP did not agree with the NFA determination, because the cancer risks associated with the remaining soil were above FDEP's preferred acceptable risk level of 1×10^{-6} .

The results of the BRA indicated that ingestion of groundwater would pose unacceptable health risks to future residents. Groundwater was therefore the medium of concern for the remedial actions specified in the ROD. The constituents of concern (COCs) in groundwater and their remedial goals are listed in Table 2. The remedial goals are based on primary and secondary maximum contaminant levels (MCLs), or human health-based concentrations corresponding to a 1×10^{-6} cancer risk (for COCs without MCLs).

4 Remedial Actions

The EPA determined in the ROD that a remedial action was necessary to address groundwater contamination. A remedy was selected in the ROD from several potential alternatives, based on a detailed analysis of each alternative and on public and state comments.

4.1 Remedy Selection

The ROD for the Site was signed by the EPA on May 22, 1996. The remedial action objectives (RAOs) for groundwater included the following:

- prevention of potential exposure to contaminated groundwater on the Site,
- prevention of further groundwater quality degradation, and
- restoration of groundwater quality to the cleanup levels specified in the ROD.

The remedy for groundwater selected in the ROD consists of the following items:

- deed restrictions/notices or institutional controls (ICs) to prohibit consumption of contaminated groundwater until the cleanup standards have been met;
- routine maintenance at the Site, including fence maintenance, grass mowing, etc.;
- natural attenuation of contaminants in groundwater, with quarterly monitoring; and
- a contingency plan that includes the installation of a subsurface filter wall, and other measures such as limited air sparging, hydraulic gradient control, or source removal, as needed.

4.2 Remedy Implementation

The UAO to implement the ROD was issued by the EPA in July 1997. A restrictive covenant (Appendix A) was placed on the Chevron property on January 11, 2000, as an IC to limit future use of the property to commercial/industrial uses and to prevent the drawing of groundwater for purposes other than monitoring. Fencing was installed, and

Chevron EMC regularly performs routine maintenance such as mowing grass, removing weeds, trimming trees, maintaining the chain-link fence, collecting garbage and debris, and painting the block wall and monitoring well covers at the Site. In addition, Chevron EMC routinely and frequently monitors the groundwater to evaluate the monitored natural attenuation (MNA) remedy and potential contaminant migration, submitting the results to the EPA for review.

In July 2000, the EPA issued an Explanation of Significant Differences (ESD) (Appendix B) that changed the selected groundwater cleanup goals for ethylbenzene and xylenes from secondary to primary standards. The cleanup goals developed in the ROD for these two contaminants had been based on secondary standards, due to the possibility of their contribution to the mobility of the pesticides. Further studies showed that this was not occurring, which was the basis for the revision of the cleanup standards.

The MNA remedy for groundwater includes a contingency plan. Conditions under which implementation of the contingency plan is required are outlined in the ROD. One of the conditions, the detection of organic contaminants in sentinel monitoring wells MW-15 and/or MW-11, occurred in 2004, when α -BHC was detected at MW-15. Subsequently, the monitoring frequency at existing wells was increased, additional monitoring wells were installed and sampled, and permeable reactive barriers (PRBs) were installed under a pilot-study program. The pilot test evaluates the feasibility of increasing the reducing conditions within the saturated zone, using the EHCTTM bioremediation technology (EHC). EHC uses a combination of a carbon source and zero-valent iron to produce the relatively strong reducing conditions required to degrade organochlorine pesticides.

The effectiveness of the PRBs and other potential measures that may be necessary to address any spread of groundwater contamination are currently being evaluated. For this evaluation, total organic carbon (TOC) concentrations, oxidation/reduction potential (ORP), and organochlorine pesticide concentrations are monitored monthly at selected wells located adjacent to and/or downgradient from the PRBs. Effectiveness of the EHC would be indicated by TOCs permeating outward from the injection points, reducing conditions present in the vicinity of the PRBs, and declining organochlorine pesticide

concentrations near the PRBs. Once the effectiveness of potential contingency measures has been evaluated, the EPA will issue an ESD or ROD Amendment, as appropriate, in order to invoke implementation of the contingency measures.

4.3 Operation and Maintenance (O&M)

O&M Activities

The remedial design/remedial action (RD/RA) program for MNA initially consisted of the following measurements and analyses:

- water levels;
- field and geochemical parameters (e.g., pH, dissolved oxygen [DO], conductivity, temperature, sulfate, alkalinity);
- volatile organic compounds (EPA Method 8021);
- semivolatile organic compounds (EPA Method 8270);
- chlorinated pesticides (EPA Method 8081);
- organophosphate pesticides (EPA Method 8141); and
- arsenic, chromium, and lead (EPA Method 6010).

Initially, all measurements and analyses were performed at all of the 23 monitoring wells that comprised the initial monitoring well network, and monitoring was conducted twice a year. The sampling and analysis program was reevaluated during the preparation of the first FYR. The objective was to identify any sampling requirements that could be eliminated because the associated issues had been resolved. The following changes were proposed to the EPA in a report dated March 29, 2001:

- Discontinue organophosphate pesticide analyses by EPA Method 8141, because there are no organophosphate pesticides on the Site COC list.

- Discontinue analyses for VOCs, except for benzene analyses for groundwater samples collected from MW-1D. This action was recommended because other VOCs with ROD cleanup standards (i.e., ethylbenzene and xylenes) had met the ESD-amended ROD cleanup standards in all wells since 1993, and because there were no other VOCs such as halocarbons on the Site COC list.
- Discontinue analysis of semivolatile organic compounds by EPA Method 8270, because the concentrations of these compounds had been below ROD cleanup standards since 1995, with only minor and sporadic exceptions.
- Discontinue analysis of arsenic, chromium, and lead, because concentrations in groundwater were below the ROD cleanup standard. Discontinue collecting data for general geochemical attenuation parameters, including alkalinity, total organic carbon, biological oxygen demand, chemical oxygen demand, nitrate, sulfate, and sulfide. A large database for these parameters already existed and had been interpreted, and the assessment of MNA was refocused on empirical monitoring results for COCs.
- Cease sample collection and chemical analyses for monitoring wells MW-6S, MW-6D, MW-7S, MW-7D, MW-11, MW-A, and MW-D. These wells did not provide any information not already available in data from other monitoring wells.

The proposed changes to the sampling and analytical program were approved by the EPA in a letter dated April 2, 2008. This letter further authorized Chevron to initiate the changes as of April 1, 2008.

During the next FYR period, the effectiveness of MNA and its role in the remedial program for the Site will be further evaluated. This review will also include an evaluation of whether there would be any usefulness in adding some of the discontinued geochemical attenuation parameters, as described above, back into the program.

During the first FYR, the monitoring program was modified as follows:

- Monitoring frequency for water levels, conductivity, temperature, pH, Eh, and DO was reduced from biannually to annually.
- Hatch monitoring of ferrous iron was reduced from biannually to annually at monitoring wells MW-1S and MW-1D, and from biannually to every two years at the remaining wells.

- Monitoring of purgeable halocarbons was discontinued at all wells.
- Monitoring of purgeable aromatics was discontinued in all wells except MW-1D, where measurements were reduced from biannually to annually.
- Chlorinated pesticide analyses were reduced from biannually to annually at monitoring wells MW-1S and MW-1D, and from biannually to every two years at the remaining wells.

The monitoring and analysis established during the first FYR is shown in Table 3. This program was followed through early 2004.

Following the detection of α -BHC in MW-15 in April 2004, the sampling frequency was increased at select wells. MW-15 and MW-11 were sampled three times in 2004 and 2005; most other monitoring wells were sampled biannually rather than annually, or in every second or fourth year, as required by the schedule established in the first FYR. Groundwater monitoring wells MW-20, MW-21, and MW-22 were installed along the east side of North Orange Blossom Trail in September 2005, and MW-18 and MW-19 were installed at the Lake Fairview Commerce Center in November 2005 to further delineate the impacts in shallow groundwater. The locations of monitoring wells installed since the last FYR are shown in Figure 4. In February 2006, groundwater monitoring activities were increased again in response to the detection of pesticides in well MW-18. Wells MW-11, MW-15, and MW-18 were sampled monthly or almost monthly in 2006 and 2007, and frequent sampling was conducted at other key monitoring wells, as well (e.g., MW-1S and D, MW-3S, MW-4S, and several others). Due to the increased monitoring activities, site status updates were also submitted more frequently. Submission of quarterly site status updates began in July 2006.

The detection of a COC in the sentinel wells triggered the implementation of a contingency measure. It was originally thought that contaminants could not migrate into Lake Fairview and the sentinel wells were installed to verify this. The ROD requires that upon detection of COCs in the sentinel wells, a subsurface filter wall should be installed to prevent COCs at any level from migrating into Lake Fairview. Currently, a pilot study

is being conducted to evaluate whether PRBs will eliminate any further migration of COCs. PRBs are being tested as the contingency measure rather than a subsurface filter wall, because they are less intrusive and could be implemented in a relatively short time. A pilot-test work plan proposing the installation of three PRBs (two [No. 1 and No. 2] at the Commerce Center and a third [No. 3] at the Site; Figure 4) was submitted in September 2006. The work plan was approved by the EPA in November 2006.

Installation of the PRBs at the Commerce Center was initiated in January 2007. However, the pilot test was discontinued after four days due to the inadequate equipment and experience of the local contractor. One continuous-core soil boring was included in the pilot test activities for stratigraphic assessment. An out-of-state contractor was retained in March/April 2007 to complete the installation of the three PRBs according to the work plan. The PRBs were constructed with EHC, a combination of zero-valent iron and a food-based carbon source. PRBs Nos. 1, 2, and 3 were installed to total depths of 20, 15, and 32 ft bgs, respectively.

During February 2007, eleven soil borings (SB-1 through SB-5, SB-7, SB-8, and SB-10 through SB-13) were advanced and sampled using a sonic drilling rig (Figure 5). The purpose of these borings was to further assess Site stratigraphy and any possible impacts remaining in suspected source areas (the former holding pond and former loading dock/railroad spur).

In September 2007, five soil borings (A, B, C, P, and Q) were advanced and sampled on the Chevron property using a sonic drilling rig to further investigate potential source areas and stratigraphy (Figure 5). Two soil borings (E and K) were advanced and sampled in a similar manner at the Lake Fairview Commerce Center. Groundwater samples were taken from five locations (E, G, H, I, and M) via a direct-push rig, at the following depths at each location: 11 to 15, 16 to 20, 21 to 25, 26 to 30, 31 to 35, and 36 to 40 ft bgs. A triple-cluster groundwater monitoring well (MW-23) was installed at the Commerce Center, with screened intervals from 7 to 17 ft bgs (MW-23S), 20 to 30 ft bgs (MW-23M), and 30 to 40 ft bgs (MW-23D). A double-cluster groundwater monitoring well (MW-24) was advanced on the Chevron property downgradient from the former

waste pond, with screened intervals from 7 to 17 ft bgs (MW-24S) and 20 to 30 ft bgs (MW-24D). A second triple-cluster groundwater monitoring well (MW-25) was installed on the Chevron property downgradient from the former loading dock and railroad spur, with screened intervals from 7 to 17 ft bgs (MW-25S), 20 to 30 ft bgs (MW-25M), and 30 to 40 ft bgs (MW-25D).

In October 2007, six additional groundwater monitoring wells (MW-26 through MW-31, screened between 25 and 35 ft bgs) were installed at the Commerce Center to assist in the delineation of groundwater impacts in the lower portion of the surficial aquifer. The pilot-test work plan addendum (submitted to the EPA on October 23, 2007, and conditionally approved on October 30, 2007) addressed the impacted groundwater in the lower portion of the surficial aquifer (20 to 40 ft bgs).

In November 2007, groundwater monitoring wells MW-32D, MW-33D, and MW-34D were installed at the Commerce Center (screened between 25 and 35 ft bgs), and MW-36D, MW-36S, MW-37D, MW-37S, and MW-38D were installed on the Chevron property (Figure 4). Four additional PRBs were installed at the Commerce Center and two additional PRBs were installed on the Chevron property.

The intent of the PRB pilot test is to evaluate the feasibility of increasing the reducing conditions within the saturated zone using EHC. Reducing conditions are required to degrade organochlorine pesticides. EHC, which uses a combination of a carbon source and zero-valent iron, was injected into the saturated zone using a direct-push Geoprobe® rig along rows of injections also referred to as PRBs. In order to evaluate the pilot test results, organochlorine pesticide, TOC concentrations, and ORP are monitored on a monthly basis in selected wells located adjacent to and/or downgradient from the PRBs. The TOC concentration and ORP values are used to evaluate whether the carbon source is permeating from the injection points, and whether the combination of the carbon source and zero-valent iron are producing reducing conditions (negative ORP values). The pilot test will be completed when sufficient data have been collected to properly evaluate the effectiveness of the EHC.

Current and anticipated future O&M activities for the PRBs consist of monitoring, as described above. The monitoring schedule was established in the November 2006 pilot-test work plan. A new monitoring program will be developed following completion of the pilot test.

O&M Costs

Annual O&M costs since the last FYR are presented in Table 4. Cost increases in 2006 and 2007 were due to bench-scale testing for the pilot test, preparation of a pilot-test work plan, and additional monitoring activities. These actions were undertaken due to the detection of organic contaminants in sentinel wells.

The estimated annual O&M cost for the MNA program presented in the ROD was \$17,160. Yearly O&M costs were not anticipated to increase after the installation of a bioactive filter wall (the contingency measure identified in the ROD to address detections of COCs in the sentinel wells).

O&M for the PRBs consists of monitoring activities. A new PRB monitoring schedule will be established after completion of the pilot test. The O&M cost associated with future PRB monitoring is expected to be approximately \$170,000 per year.

5 Progress since the Last Five-Year Review

The protectiveness statement from the last FYR described the Site as protective of human health and the environment. Specifically, the protectiveness statement read:

“The remedy is expected to be protective of human health and the environment upon attainment of groundwater cleanup goals, through natural attenuation. In the interim, exposure pathways that could result in unacceptable risks are being controlled and institutional controls are preventing exposure to, or the ingestion of, groundwater. All threats at the site have been addressed through excavation of soil, installation of fencing, and implementation of institutional controls. Long-term protectiveness of the remedial action will be verified by sampling of on- and off-site monitoring wells according to the recommended sampling and analytical plan (Section 9). Current monitoring data indicate that the remedy is protective of human health and the environment.”

The 2003 FYR noted that the efficacy of the MNA remedy requires future verification until ROD compliance has been attained. Meeting strict numeric groundwater standards at this Site by any remedial method is complicated because (1) all residual soil sources cannot be identified due to constraints imposed by analytical method detection limits (MDLs), e.g., α -BHC; (2) the groundwater cleanup goals are also at MDLs, resulting in poor discriminatory ability between detection limits and low-level occurrences; and (3) BHC isomers with ROD cleanup standards (i.e., α -, β -, and γ -BHC [lindane]) may isomerize among one another, and to and from an unregulated isomer (δ -BHC).

The 2003 FYR noted that in lieu of numerical standards, a continued monitoring approach is proposed for the next five-year period to ensure that groundwater COCs do not threaten Lake Fairview or result in unacceptable risk to human health and the environment under future land use scenarios. Monitoring has been continued at the Site since 2003. It was through this regular monitoring that contaminants were detected in the sentinel wells.

6 Five-Year Review Process

6.1 Administrative Components

EPA Region 4 initiated the FYR in November 2007 and scheduled its completion for May 2008. The FYR team is led by the EPA remedial project manager (RPM) for the Site, and includes the EPA Site attorney, the FDEP, and Chevron EMC and its contractors (Geomega Inc., ARCADIS BBL, and TASK Environmental Inc.). During a scoping call held by the RPM on November 5, 2007, the EPA established a review schedule consisting of the following elements:

- community notification,
- document review,
- data collection and review,
- site inspection,
- local interviews, and
- FYR report development and review.

6.2 Community Involvement

On November 23, 2007, a public notice was published in the Orlando Sentinel, announcing the start of the second FYR for the Site. The notice (provided in Appendix C) invited community participation and listed the RPM's contact information. A second notice will be placed in the Orlando Sentinel after the review has been completed.

On December 21, 2007, the RPM visited the information repository located at the Orlando Public Library (Edgewater Branch, 6250 Edgewater Drive, Orlando, FL 32810), in order to determine the availability of Site-related documents. The last FYR was the only Site-related document available at the library. On January 2, 2008, an electronic copy of the Administrative Record was sent to the library for public information. Once

approved, a copy of the final FYR report will be placed in the Edgewater Branch of the Orlando Public Library and on the Internet for public availability..

6.3 Document Review

The second FYR included a review of relevant, Site-related documents including the BRA, ROD, first FYR, and recent monitoring data. A complete list of documents reviewed is presented in Appendix D.

6.3.1 Applicable or Relevant and Appropriate Requirements (ARARs) Review

The ATSDR established cleanup criteria for soils, for use in the removal actions. The goals of the removal actions were removal of shallow soils (0 to 1 ft below land surface) with chlorinated pesticide concentrations in excess of 50 mg/kg, and removal of deeper soils (1 ft to the water table) with chlorinated pesticide concentrations in excess of 100 mg/kg. ATSDR recommended the use of chlordane as an indicator chemical because it was considered to be the most prevalent compound, the most toxic to humans, and was found in the highest concentrations. For 0 to 1 ft soils at the former Armstrong Trailer Park, the ATSDR cleanup goal for chlordane was 4.9 mg/kg.

The cleanup standards for groundwater established in the ROD and subsequent ESD are listed in Table 2. These standards were based on EPA National Primary Drinking Water Regulations, Florida Drinking Water Contaminant MCLs, or human health concentrations based on FDEP's preferred risk level of 1×10^{-6} . Table 2 lists the basis for each COC for which a cleanup level was developed.

In 2005, the FDEP promulgated Florida Administrative Code (FAC) Ch. 62-780, Contaminated Site Cleanup Criteria. This rule incorporates groundwater and soil cleanup target levels by reference to FAC Ch. 62-777. The groundwater cleanup target levels (GCTLs) are either the primary or secondary standards from FAC Ch. 62-550—Drinking Water Standards, Monitoring, and Reporting—or “minimum criteria” based on human health. The minimum criteria are not considered ARARs by the EPA.

The groundwater cleanup standards in the ROD and subsequent ESD were compared to current federal and state MCLs; any differences are identified in Table 5. The only difference is that the federal and Florida state MCLs for arsenic changed from 50 µg/L at the time of the ROD to 10 µg/L currently. Arsenic was last analyzed in groundwater samples in 2000. At that time the MCL of 10 µg/L was exceeded at only one of the monitoring wells on the Chevron property. The detected concentration was 20 µg/L.

The FAC soil cleanup target levels are calculated criteria based on human health or leachability to groundwater. The soil cleanup target levels for chlordane for residential and industrial use are lower than those used during the removal actions.

6.3.2 Toxicity Criteria Review

Based on a review of toxicity values currently listed on the EPA's Integrated Risk Information System (IRIS), one or more of the toxicity values for the following groundwater COCs have changed since the performance of the BRA and the signing of the ROD: arsenic, chlordane, naphthalene, and xylenes (Table 5). With the exception of the changes in the oral reference doses (RfDs) for xylenes and naphthalene, all the changes in toxicity criteria are protective (i.e., the chemicals are now considered less toxic than previously). For example, the oral slope factor for arsenic decreased from 1.8 to 1.5 mg/g-day⁻¹.^a The RfD for xylenes is now one order of magnitude lower than previously (Table 6), and the RfD for naphthalene is half of what was in place at the time of the ROD, indicating that these chemicals are now considered more toxic than previously. These changes would not affect the conclusions of the human health risk assessment that was performed as part of the RI/FS. The highest noncancer risk estimates (HQs) from ingestion of groundwater were 8E-02 and 7E-02 for xylenes and naphthalene, respectively. Assuming the same groundwater concentrations as when the risk assessment was done, the new criteria would result in HQs of approximately 8E-01 and 1E-01, respectively. These HQs are less than one, the level below which adverse health effects are not expected. For xylenes, all recently measured concentrations are also

^a The change in the MCL for arsenic was based on a cost-benefit analysis and was not related to changes in toxicity criteria.

one order of magnitude or more below the 1,400 µg/L level, which is considered health-protective by the FDEP.

For soil, chlordane is the only COC for which changes in toxicity criteria have occurred. The changes occurred prior to the first FYR period and were noted in the first FYR report. The toxicity criteria for chlordane are protective in that they indicate less toxicity than the previous criteria (Table 5).

6.4 Data Review

The ROD determined that risk levels associated with soil are “protective of human health and the environment,” and therefore called for NFA to address soil contamination. However, at that time, the FDEP suggested that a more stringent risk level may be necessary for the Site to be removed from the NPL.

Since the first FYR, additional soil data were collected from numerous borings on the Site. The primary purpose for the additional soil collection was to identify potential source areas for groundwater contamination. A summary of the soil data is provided in Table 7. All detected surface and subsurface soil concentrations are below the cleanup goals used during the remedial action for soil: 50 mg/kg for chlordane in surface soil and 100 mg/kg for chlordane in subsurface soil.

Further evaluations of the soil data will be performed following this FYR, including an analysis of the leaching potential of soil contaminants. Soil leaching issues may need to be addressed as part of the overall strategy designed to achieve groundwater cleanup goals for the COCs.

Groundwater at the Site, if used for drinking water purposes, was determined to pose unacceptable risks to human receptors. A groundwater remedy was therefore selected in the ROD, which included MNA. The analytical data for groundwater COCs that have been collected since the last FYR are presented in Table 8, which highlights the compounds, well locations, and sampling events associated with exceedances of COC concentrations over their cleanup goals. At one or more locations during 2007 and 2008,

the following COCs exceeded their cleanup goals: α-BHC, β-BHC, lindane, and 4,4'-DDD (Figures 6, 7, 8, and 9). The cleanup goals presented in Table 8 are the standards that were established in the ROD, except for ethylbenzene and xylenes, for which the ROD standards were later amended through an ESD. Further data descriptions will be provided in a separate report following this FYR.

Figures 10 and 11 show the extent of total BHCs in shallow and deep groundwater. Additional analyses are currently being conducted to further characterize the extent. Analyses are also being conducted to identify potential soil source areas that contribute to the groundwater contamination. The results of these analyses will be presented in a separate document following this FYR. An evaluation of the effectiveness of the PRBs in containing the groundwater contamination will also be presented.

6.5 Site Inspection

The site inspection for this FYR was conducted on December 13, 2007, by William C. Denman, the EPA RPM; Karen Milicic, the FDEP project manager; and contractor support staff. The purpose of the inspection was to take photographs, assess the condition of wells, and confirm that ICs were in place to prohibit use of the Chevron property for residential purposes or for access to groundwater.

The Chevron property is vacant; it is not being used for residential purposes and there are no potable wells in the area. At the time of the site inspection, the fencing was in place, in good condition, and the gate was locked. Groundwater monitoring wells were properly locked and also appeared to be in good condition. The grass cover was well maintained and the property was neat and orderly. Later examination of the Orange County, Florida, Comptroller's web site (<http://www.occompt.com/records.html>) showed that the restrictive covenants placed on the Site property deed were still in place, and can be found at the above web site by searching for file number 20000068398. The complete site inspection checklist is included in Appendix E. Photographs from the site visit are provided in Appendix F.

6.6 Interviews

During the FYR process, interviews were conducted with parties potentially impacted by the Site, including the current landowners, a local resident, two local business owners, and a representative from the FDEP. The purpose of the interviews was to document the perceived status of the Site and record any perceived problems with the selected remedy as implemented to date. Some of the interviews were conducted by William C. Denman, the EPA RPM, during the site visit on December 13, 2007, while others were obtained by mail. The interview forms are provided in Appendix G and a brief summary is provided below.

The FDEP project manager, Karen Milicic, stated that she felt well informed about activities related to the Site and that her overall impression of the project was good. She further stated that she does not think that there are enough data to determine how well the current remedy is performing, and that it may be necessary to investigate off-site ICs. Her recommendations were to continue with the pilot study, and investigate the MW-4 area as a continuing source area.

The local resident and business owners stated that they are aware of the environmental issues associated with the Chevron property and the activities that have taken place to date. Two of the three persons interviewed stated that they have a good impression of the project; one stated that he does not know any details. One person mentioned a concern about potential impacts on being able to sell property. The interviewees would like to receive further information, including updates on the ongoing activities and information about the PRBs.

Chevron's representative is pleased with the cooperative and effective effort between Chevron and the EPA. He stated that Chevron has spent significant resources on the investigations and removal actions, and continues to gather data to ensure the effectiveness of the remedy. He further stated that he believes that the remedy, including its contingency plan, is currently providing protectiveness, but that temporary, off-site ICs may need to be considered.

7 Technical Assessment

7.1 Question A: Is the remedy functioning as intended by the decision documents?

Review of historical documentation, ARARs, toxicity criteria, risk assumptions, and monitoring results indicates that the remedy for groundwater is functioning as intended by the ROD. Although the cleanup levels for groundwater COCs have not yet been achieved, frequent monitoring is conducted to provide a basis for evaluation of the performance of the MNA remedy. In general, there have been statistically significant trends of decreasing concentrations at the monitoring wells that have been in place since the last FYR.

The MNA remedy includes a contingency plan that would be invoked under the following conditions:

- Contaminant concentrations do not decrease by 10-15% within one year after implementation of the remedy.
- Contaminant concentrations in subsequent years do not decrease as expected.
- Organic contaminants are detected in monitoring wells MW-11 or MW-15.

The ROD required Chevron to demonstrate that groundwater COC concentrations would naturally decrease by at least 10-15% from April 1995 to May 1996. This requirement had to be met to establish MNA as the remedy for the Site. The comparison of average analytical results at the beginning and end of the specified time frame across the then-existing monitoring well network showed that COC concentrations declined by up to 49%. Plume attenuation, stability calculations, and groundwater concentration trends indicated that there was ongoing COC mass reduction (of at least 10%) in subsequent years.

Organic contaminants were detected (at low levels) in MW-15 in April 2004 and subsequently, triggering increased monitoring and implementation of the contingency

plan. The contingency plan calls for the installation of one or more subsurface barrier walls, and additional measures if needed. In order to evaluate the most appropriate way to proceed with the contingency, nine PRBs were installed in 2007 as part of a pilot study to evaluate contingency remedial actions. Chevron is collecting groundwater data to evaluate their effectiveness and to further delineate the groundwater contaminant plume. As specified in the ROD, additional contingency measures will be implemented if needed to provide long-term protection for human health and the environment.

There are no current users of groundwater at or near the Site that have been impacted by Site-related releases. ICs in the form of restrictive covenants (Appendix A) required under the ROD, which prohibit use of the Chevron property for residential purposes and prohibit access to groundwater, have been implemented on-site, but as of this review have not been implemented off-site. Chevron is working with the EPA, property owners near the Site, and St. Johns River Water Management District to restrict the installation of any irrigation and/or potable water wells on parcels in close proximity to the Chevron property in all areas that are currently above cleanup goals specified in the ROD and subsequent ESD, and in all areas expected to have groundwater exceedances above cleanup goals specified in the ROD and subsequent ESD over the length of time expected for the natural attenuation remedy to reach cleanup goals in all areas of the aquifer.

7.2 Question B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives used at the time of the remedy still valid?

There have been no changes in the physical condition of the Site that would affect the protectiveness of remedial components currently in place. The Chevron property is still vacant and fenced and an IC prohibits the drawing of on-site groundwater from wells for purposes other than monitoring. There are no potable wells in the affected adjacent areas. Chevron is working with the EPA, property owners near the Site, and St. Johns River Water Management District to restrict the installation of any irrigation and/or potable water wells on parcels in close proximity to the Chevron property in all areas that are currently above cleanup goals specified in the ROD and subsequent ESD, and in all areas expected to have groundwater exceedances above cleanup goals specified in the ROD

and subsequent ESD over the length of time expected for the natural attenuation remedy to reach cleanup goals in all areas of the aquifer. Therefore, the exposure assumptions used at the time of the remedy are still valid.

Several changes in toxicity criteria for groundwater COCs have occurred, and are presented in Table 6. The changes are not expected to impact the protectiveness of the remedy, because the toxicity criteria are either less stringent than they were previously or the changes were not large enough to alter the results of the risk assessment for the affected chemicals (i.e., no adverse health effects from these chemicals were expected). In addition, current concentrations for the chemicals that now have more stringent criteria are below concentrations that are currently considered health-protective.

The RAOs for groundwater included the following:

- prevention of potential exposure to contaminated groundwater on the Site,
- prevention of further groundwater quality degradation, and
- restoration of groundwater quality to the cleanup levels specified in the ROD.

These objectives are still valid, because they ensure long-term protectiveness of human health and the environment at and near the Site.

7.3 Question C: Has any other information come to light that could call into question the protectiveness of the remedy?

Groundwater monitoring data indicate that groundwater COCs at properties adjacent to the Chevron property exceed cleanup goals. Additional ICs will be implemented to restrict the construction of irrigation and/or potable water wells in the vicinity of the Chevron property while the vertical and horizontal extent of groundwater contamination is being further delineated.

7.4 Technical Assessment Summary

According to the data reviewed, the site inspection, and the interviews, the remedial components in place are currently protective of human health and the environment and are functioning as intended by the ROD. Soil at the Site poses no risk from direct contact to current or future receptors based on current land use scenarios. Although the groundwater remediation goals have not yet been achieved, there is no current exposure to groundwater. There are no potable or irrigation wells within the extent of the plume, and an ICI prohibiting potable uses of groundwater is in place for the Chevron property. Additional ICs will be developed to restrict the construction of water wells and the use of groundwater in the vicinity of the Site.

8 Issues

Current issues consist of the following:

1. Organic contaminants have been detected in sentinel monitoring wells MW-11 and MW-15, triggering the ROD contingency. Insufficient data are available at this time to complete an evaluation of the contingency measures to be implemented in response to detection of organic contaminants in the sentinel wells.
2. Insufficient data are available to determine whether contaminants above groundwater cleanup goals are leaching from residual contaminated soils at the Site into the groundwater at levels that allow for continued, off-site migration of contaminated groundwater and that affect the success of the MNA remedy.
3. Potential for exposure to contaminated groundwater exists due to the installation and use of irrigation and/or potable water wells on parcels in close proximity to the Chevron property and the contaminant plume boundary.
4. The contaminant plume boundary is not adequately defined horizontally or vertically, particularly north of MW-29D, northwest of MW-2D, and south of MW-39D.
5. Regulatory changes and changes in toxicity information have resulted in the revision of many of the cleanup goals in the ROD and in the soil cleanup goals used during the removal action (Table 5).
6. Numerous additional groundwater monitoring wells have been installed at the Site to fully delineate the contaminant plume. However, these new wells have not been sampled for all 12 site-related contaminants listed in Table 9 (Compliance Testing) of the ROD.

The above issues could potentially affect future protectiveness, but do not impact current protectiveness.

9 Recommendations and Follow-Up Actions

The following actions are recommended:

1. Complete the pilot study to evaluate the effectiveness of PRBs to refine the subsurface filter wall contingency remedy and evaluate other contingency options that may enhance the effectiveness of MNA, including additional on-site soil excavation and/or groundwater treatment. After completion of the pilot study, issue an ESD to implement the contingency remedy.
2. Collect soil data to evaluate if any residual source areas remain on-site at levels that would allow leaching of contaminants into the groundwater and result in continued, off-site migration of contaminated groundwater, affecting the success of the MNA remedy.
3. Work with St. Johns River Water Management District to restrict the installation of irrigation and/or potable water wells on parcels in close proximity to the Chevron property and the contaminant plume boundary.
4. Collect additional groundwater data in order to completely delineate the horizontal and vertical extent of groundwater contamination.
5. Evaluate the available data against regulatory revisions to the ROD and removal action cleanup goals. If needed, issue an ESD to revise the cleanup goals to those that are determined to be protective.
6. After installation of new monitoring wells is complete, collect one full round of samples, analyze them for all 12 site-related contaminants listed in Table 9 of the ROD, and compare the groundwater concentrations to the cleanup goals. Based on these and historical results, modify the groundwater monitoring program, if warranted.

A schedule for completion of these tasks is included in Table 9 of this report.

10 Protectiveness Statement

The remedy at the Site currently protects human health and the environment because risks associated with the remaining soils are considered acceptable for industrial use; Site access is being discouraged through fencing; and contaminated groundwater is not being used for potable purposes. No drinking or irrigation wells exist currently within the impacted area, and ICs have been implemented to prevent exposure to groundwater on the Chevron property.

Attainment of the groundwater cleanup goals is expected to be achieved through MNA. In order for the remedy to be protective in the long term, additional ICs need to be identified and/or implemented to restrict the use of water within the affected area until cleanup goals are attained, and the effectiveness of the PRBs needs to be verified.

11 Next Review

The next FYR for the Site is required by June 2013, five years from the final date of this review.



Tables

Table 1. Chronology of Site events.

Event	Date
Site construction by Chevron Chemical Company (CCC)	1950
CCC ceased operations at the Site	1976
Site sold to private owner (Robert Uttal) and leased to Central Florida Mack Trucks	1978
Property leased to another operator for vehicle storage	1987 - 1991
Dames & Moore contracted by CCC to conduct initial soil and groundwater investigation at the Site	1981 – 1982
Screening site inspection (under CERCLA) by NUS Corporation	5/1989
Administrative Order on Consent (AOC) issued by US EPA to CCC and Robert Uttal to conduct cleanup at the Site (<i>EPA Docket # 90-37-C</i>)	5/15/1990
Contamination assessment report issued by Brown and Caldwell Consultants (BCC)	12/1990
Removal action plan (RAP) developed by BCC.	7/1991
Removal action at Chevron property	12/1991 – 9/1992
CCC purchased the Site in foreclosure from First Union Bank	1993
CCC voluntarily entered into AOC to conduct a remedial investigation/feasibility study (RI/FS), in accordance with the Superfund Accelerated Cleanup Model (SACM) (<i>EPA Docket # 92-46-C</i>)	1/25/1993
Groundwater sampling of monitoring wells on Chevron and adjacent properties; surface soil sampling at Armstrong Trailer Park	4/1993 - 11/1993
CCC purchased the Site in foreclosure from Resolution Trust Company	1994
Soil removal action at Armstrong Tailer Park	3/1994 – 4/1994
Site finalized on National Priorities List (NPL) by EPA	5/1994
RI/FS documents (including baseline risk assessment [BRA]) finalized	3/1995
Record of Decision (ROD) issued by EPA (<i>EPA/ROD/R04-96/263</i>)	5/22/1996
Unilateral Administrative Order (UAO) issued by EPA for CCC to implement ROD	7/1997
First five-year report filed by EPA	5/2/2003
Installed groundwater monitoring wells MW-20, MW-21, and MW-22 along the east side of Orange Blossom Trail	9/2005
Installed groundwater monitoring wells MW-18 and MW-19 at the Lake Fairview Commerce Center	11/2005
Eleven soil borings completed on the Site; samples taken for lithological and chemical analyses	2/2007
Installation of permeable reactive barriers (PRBs) at three locations (one on the Chevron property; two at the Commerce Center)	4/2007
Collection of groundwater grab samples and soil samples from five borings; installation of 26 monitoring wells (MW-23S, -23M, -23D, -24S, -24D, -25S, -25M, -25D, -26, -27, -28, -29, -30, -31, -32D, -33D, -34D, -36D, -36S, -37D, 37S, 38D, -35D, -39D, -40D, and -40S)	9/2007 - 12/2007
Approval of pilot-test work plan addendum by EPA	10/2007
Installation of additional PRBs (two on the Chevron property; four at the Commerce Center)	11/2007
Draft second five-year review report submitted	2/15/2008

Table 2. Remediation goals for groundwater COCs.

Contaminant	Media	Maximum Detected ($\mu\text{g/L}$) ^a	Remedial Goal ($\mu\text{g/L}$)	Remediation Goal Basis
Benzene	Groundwater	23	1	Primary MCL
Ethylbenzene	Groundwater	380	700 ^b	MCL
Xylenes	Groundwater	100	10000 ^b	MCL
Total naphthalene	Groundwater	26	100	State target level
4,4'-DDD	Groundwater	2.2	0.1	State guidance concentration
α -BHC	Groundwater	19	0.05	State guidance concentration
β -BHC	Groundwater	47	0.1	State guidance concentration
γ -BHC (lindane)	Groundwater	2.4	0.2	Primary MCL
Chlordane	Groundwater	17	2	Primary MCL
Arsenic	Groundwater	34	50	Primary MCL
Chromium	Groundwater	200	100	Primary MCL
Lead	Groundwater	66	15	Federal action level

^a = as reported in the ROD based on 1995 sampling

^b = revised from ROD criteria per a 2000 Explanation of Significant Differences (ESD)

Table 3. Sampling and analytical plan established in the first five-year review.

Well ID	Water Level	Conductivity, Temperature, pH, Eh, DO	Volatile Organic Compounds* (EPA 8021)	Chlorinated Pesticides (EPA 8081)
MW-1S	Annual	Annual		Annual
MW-1D	Annual	Annual	Annual	Annual
MW-2S	Annual	Annual		2,4
MW-2D	Annual	Annual		2,4
MW-3S	Annual	Annual		2,4
MW-3D	Annual	Annual		2,4
MW-4S	Annual	Annual		2,4
MW-4D	Annual	Annual		2,4
MW-5S	Annual	Annual		2,4
MW-5D	Annual	Annual		2,4
MW-6S	Annual			
MW-6D	Annual			
MW-7S	Annual			
MW-7D	Annual			
MW-8S	Annual	Annual		2,4
MW-8D	Annual	Annual		2,4
MW-9D	Annual	Annual		2,4
MW-10S	Annual	Annual		2,4
MW-10D	Annual	Annual		2,4
MW-11	Annual	Annual		2,4
MW-12	Annual	Annual		2,4
MW-15	Annual	Annual		2,4
MW-16S	Annual	Annual		2,4
MW-16D	Annual	Annual		2,4
MW-17	Annual	Annual		2,4
MW-A	Annual			
MW-D	Annual			

Blank = not analyzed.

Annual = annual sampling.

2,4 = sampling in the second year (2004) and fourth year (2006) after the first five-year review.

*VOCs = only purgeable aromatics (e.g., benzene), not purgeable halocarbons.

Table 4. Annual O&M costs.

Date	Total Cost (\$)
2000	481,000
2001	274,000
2002	176,000
2003	81,000
2004	153,000
2005	173,000
2006	604,000
2007	324,000

Table 5. Summary of changes in ARARs.^a

	COCs	Cleanup Standard in ROD	Basis for ROD Cleanup	Current ARARs	Basis for Current ARAR
Groundwater	Arsenic ($\mu\text{g}/\text{L}$)	50	MCL	10	Federal and state MCLs

^a Only COCs for which ARARs have changed are included.

Table 6. Summary of changes in toxicity criteria.^a

COCs	Previous Oral Cancer Slope Factor (mg/kg-day) ⁻¹	Current Oral Cancer Slope Factor (mg/kg-day) ⁻¹	Previous Oral Reference Dose (mg/kg-day)	Current Oral Reference Dose (mg/kg-day)
Arsenic	1.8	1.5	No change	No change
Chlordane	1.3	3.50E-01	6.00E-05	5.00E-04
Naphthalene	No change	No change	4.00E-02	2.00E-02
Xylenes	No change	No change	2.00E+00	2.00E-01

a = Only COCs for which toxicity criteria have changed are included.

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane (mg/kg)	Aldrin (mg/kg)	Dieldrin (mg/kg)	Endosulfan I (mg/kg)	Endosulfan II (mg/kg)	Endosulfan sulfate (mg/kg)	Endrin (mg/kg)	Endrin aldehyde (mg/kg)	Endrin ketone (mg/kg)	γ -Chlordane (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Methoxychlor (mg/kg)
TSB-1	0.5	12/29/03	0.4	0.0125 K	0.17	0.0125 K	0.0125 K	0.0125 K	0.0125 K	0.0125 K	0.0125 K	0.58	0.038	0.0125 K	0.0125 K
TSB-1	2	12/29/03	0.0061	0.0025 U	0.0032	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0058	0.0025 U	0.0025 U	0.0025 U
TSB-1	4	12/29/03	0.0044	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0042	0.0025 U	0.0025 U	0.0025 U
TSB-1	6	12/29/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-1	8	12/29/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-2	0.5	12/29/03	0.024	0.0025 U	0.041	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.019	0.0025 U	0.0025 U	0.0025 U
TSB-2	2	12/29/03	0.24 [0.21]	0.0025 U [0.0025 U]	0.03 [0.024]	0.11 [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.19 [0.17]	0.0025 U [0.0025 U]	0.021 [0.018]	0.0025 U [0.0025 U]
TSB-2	4	12/29/03	0.0074	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0053	0.0025 U	0.0025 U	0.0025 U
TSB-2	6	12/29/03	0.0401	0.0025 U	0.0069	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.029	0.0025 U	0.0025 U	0.0025 U
TSB-2	8	12/29/03	0.0091	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0069	0.0025 U	0.0025 U	0.0025 U
TSB-3	0.5	12/17/03	0.03	0.0025 U	0.013	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.027	0.0025 U	0.0025 U	0.0025 U
TSB-3	2	12/17/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-3	4	12/17/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-3	6	12/17/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-3	8	12/17/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-3	10	12/17/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-4	0.5	12/29/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-4	2	12/29/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-4	4	12/29/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-4	6	12/29/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-4	8	12/29/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-5	0.5	12/29/03	0.1	0.005 K	0.2	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	0.09	0.005 K	0.005 K	0.005 K
TSB-5	2	12/29/03	0.051	0.0025 U	0.05	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.042	0.0025 U	0.0025 U	0.0025 U
TSB-5	4	12/29/03	0.0097 [0.01]	0.0025 U [0.0025 U]	0.032 [0.034]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.009 [0.01]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]
TSB-5	6	12/29/03	0.0025 U	0.0025 U	0.009	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-5	8	12/29/03	0.011	0.0025 U	0.022	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.01	0.0025 U	0.0025 U	0.0025 U
TSB-6	0.5	12/29/03	0.16	0.0025 U	0.04	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.21	0.0086	0.015	0.0025 U
TSB-6	2	12/29/03	0.12	0.005 K	0.17	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	0.12	0.005 K	0.13	0.005 K
TSB-6	4	12/29/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-6	6	12/29/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-6	8	12/29/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-7	0.5	12/17/03	0.065	0.0025 U	0.021	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.059	0.0025 U	0.0074	0.0025 U
TSB-7	2	12/17/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-7	4	12/17/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-7	6	12/17/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-7	8	12/17/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-7	10	12/17/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-8	0.5	12/29/03	0.048	0.0025 U	0.016										

Table 7. Soil data collected since the last five-year review.

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane (mg/kg)	Aldrin (mg/kg)	Dieldrin (mg/kg)	Endosulfan I (mg/kg)	Endosulfan II (mg/kg)	Endosulfan sulfate (mg/kg)	Endrin (mg/kg)	Endrin aldehyde (mg/kg)	Endrin ketone (mg/kg)	γ -Chlordane (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Methoxychlor (mg/kg)	
TSB-21	2	12/30/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	
TSB-21	4	12/30/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	
TSB-21	6	12/30/03	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]
TSB-21	8	12/30/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-22	0.5	12/30/03	0.23	0.0025 U	0.028	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.17	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-22	2	12/30/03	0.0069	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0068	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-22	4	12/30/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-22	6	12/30/03	0.0037	0.0025 U	0.0025	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-22	8	12/30/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-23	0.5	12/18/03	0.15	0.0025 U	0.039	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.14	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-23	2	12/18/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-23	4	12/18/03	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]
TSB-23	6	12/18/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-23	8	12/18/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-23	10	12/18/03	0.0038	0.0025 U	0.003	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-24	0.5	12/30/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-24	2	12/30/03	0.0099	0.0025 U	0.011	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0072	0.0025 U	0.0029	0.0025 U	0.0025 U
TSB-24	4	12/30/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-24	6	12/30/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-24	8	12/30/03	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0028]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]
TSB-25	0.5	12/30/03	0.2	0.0125 K	0.08	0.0125 K	0.0125 K	0.0125 K	0.0125 K	0.0125 K	0.0125 K	0.24	0.0125 K	0.0125 K	0.0125 K	0.0125 K
TSB-25	2	12/30/03	0.018	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.016	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-25	4	12/30/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-25	6	12/30/03	0.0031	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0028	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-25	8	12/30/03	0.02	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.017	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-26	0.5	12/30/03	0.12	0.005 K	0.81	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	0.096	0.005 K	0.005 K	0.005 K	0.005 K
TSB-26	2	12/30/03	0.0027	0.0025 U	0.31	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-26	4	12/30/03	0.0025 U	0.0025 U	0.04	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
TSB-26	6	12/30/03	0.0025 U [0.068]	0.0025 U [0.005 K]	0.059 [0.45]	0.0025 U [0.005 K]	0.0025 U [0.005 K]	0.0025 U [0.005 K]	0.0025 U [0.005 K]	0.0025 U [0.005 K]	0.0025 U [0.005 K]	0.0025 U [0.053]	0.0025 U [0.005 K]	0.0025 U [0.005 K]	0.0025 U [0.005 K]	0.0025 U [0.005 K]
TSB-26	8	12/30/03	0.12	0.0125 K	0.99	0.0125 K	0.0125 K	0.0125 K	0.0125 K	0.0125 K	0.0125 K	0.12	0.0125 K	0.0125 K	0.0125 K	0.0125 K
TSB-27	0.5	12/30/03	0.22	0.005 K	0.07	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	0.22	0.02	0.005 K	0.005 K	0.005 K
TSB-27	2	12/30/03	3.3	0.005 K	0.76	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	3	0.095	0.005 K	0.005 K	0.005 K
TSB-27	4	12/30/03	0.4	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.48	0.0025 U	0.11	0.0025 U	0.0025 U	0.0025 U
TSB-27	6	12/30/03	0.78	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	0.005 K	0.76	0.005 K	0.35	0.005 K	0.005 K

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane (mg/kg)	Aldrin (mg/kg)	Dieldrin (mg/kg)	Endosulfan I (mg/kg)	Endosulfan II (mg/kg)	Endosulfan sulfate (mg/kg)	Endrin (mg/kg)	Endrin aldehyde (mg/kg)	Endrin ketone (mg/kg)	γ -Chlordane (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Methoxychlor (mg/kg)	
TSB-31	4	12/31/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	
TSB-31	6	12/31/03	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]
TSB-31	8	12/31/03	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	
SB-1	2	02/12/07	0.0047 I	0.0022 U	0.003 I	0.0016 U	0.0016 U	0.0012 U	0.0017 U	0.0016 U	0.0013 U	0.01	0.0019 U	0.0023 I	0.0019 U	
SB-1	6	02/12/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U	
SB-1	10.5	02/12/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-2	2	02/05/07	0.0046 I	0.00286 U	0.002 I	0.00208 U	0.00208 U	0.00156 U	0.00221 U	0.00208 U	0.00169 U	0.012	0.0028 I	0.00221 U	0.00247 U	
SB-2	6	02/05/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-2	9	02/05/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-2	11	02/05/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-2	22	02/05/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.035	0.00204 U	0.00228 U		
SB-2	27	02/05/07	0.00322 U	0.00308 U	0.00224 U	0.00224 U	0.00168 U	0.00238 U	0.00224 U	0.00182 U	0.00238 U	0.00266 U	0.00238 U	0.00266 U		
SB-2	30	02/05/07	0.00299 U	0.00286 U	0.00208 U	0.00208 U	0.00156 U	0.00221 U	0.00208 U	0.00169 U	0.00221 U	0.00247 U	0.00221 U	0.00247 U		
SB-3	2	02/06/07	0.098	0.01496 U	0.041	0.079	0.01088 U	0.00816 U	0.01156 U	0.01088 U	0.00884 U	0.091	0.01292 U	0.022	0.01292 U	
SB-3	5	02/06/07	0.0023 U	0.0022 U	0.0016 U	0.0016 U	0.0012 U	0.0017 U	0.0016 U	0.0013 U	0.0017 U	0.0019 U	0.0017 U	0.0019 U		
SB-3	9	02/06/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-3	15	02/06/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-3	27	02/06/07	0.00322 U	0.00308 U	0.00224 U	0.00224 U	0.00168 U	0.00238 U	0.00224 U	0.00182 U	0.00238 U	0.00266 U	0.00238 U	0.00266 U		
SB-3	33	02/06/07	0.00299 U	0.00286 U	0.00208 U	0.00208 U	0.00156 U	0.00221 U	0.00208 U	0.00169 U	0.00221 U	0.00247 U	0.00221 U	0.00247 U		
SB-3	40	02/06/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-4	2	02/08/07	0.048	0.0022 U	0.084	0.0016 U	0.0016 U	0.0012 U	0.0017 U	0.0016 U	0.0013 U	0.044	0.0019 U	0.0017 U	0.0019 U	
SB-4	5	02/08/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-4	8	02/08/07	0.00276 U	0.00264 U	0.00171 I	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U	
SB-4	25	02/08/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-4	28	02/08/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-4	35	02/08/07	0.00299 U	0.00286 U	0.00208 U	0.00208 U	0.00156 U	0.00221 U	0.00208 U	0.00169 U	0.00221 U	0.021 I	0.00221 U	0.00247 U		
SB-4	37	02/08/07	0.00299 U	0.00286 U	0.00208 U	0.00208 U	0.00156 U	0.00221 U	0.00208 U	0.00169 U	0.00221 U	0.00247 U	0.00221 U	0.00247 U		
SB-5	1	02/08/07	0.67	0.1386 K	0.3	0.1008 K	0.1008 K	0.0756 K	0.1071 K	0.1008 K	0.0819 K	0.64	0.1197 K	0.16	0.1197 K	
SB-5	5	02/08/07	0.00253 U	0.00242 U	0.00176 U	0.00176 U	0.00176 U	0.00132 U	0.00187 U	0.00176 U	0.00143 U	0.00187 U	0.00209 U	0.00187 U	0.00209 U	
SB-5	11	02/08/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-5	18	02/08/07	0.00322 U	0.00308 U	0.00224 U	0.00224 U	0.00224 U	0.00168 U	0.00238 U	0.00224 U	0.00182 U	0.00238 U	0.00266 U	0.00238 U	0.00266 U	
SB-5	20	02/08/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-5	24	02/08/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-5	36	02/08/07	0.00299 U	0.00286 U	0.00208 U	0.00208 U	0.00208 U	0.00156 U	0.00221 U	0.00208 U	0.00169 U	0.00221 U	0.00247 U	0.00221 U	0.00247 U	
SB-7	3	02/13/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-7	6	02/13/07	0.0041 I	0.0029 I	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U		
SB-7	9	02/13/07	0.86	0.2	0.24	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.63	0.00228 U	0.00204 U	0.00228 U</td	

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane (mg/kg)	Aldrin (mg/kg)	Dieldrin (mg/kg)	Endosulfan I (mg/kg)	Endosulfan II (mg/kg)	Endosulfan sulfate (mg/kg)	Endrin (mg/kg)	Endrin aldehyde (mg/kg)	Endrin ketone (mg/kg)	γ -Chlordane (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Methoxychlor (mg/kg)
SB-11	1	02/09/07	0.011	0.00242 U	0.00176 U	0.00176 U	0.00176 U	0.00132 U	0.00187 U	0.00176 U	0.00143 U	0.01	0.00209 U	0.00187 U	0.00209 U
SB-11	5	02/09/07	0.017	0.0022 U	0.093	0.0016 U	0.0016 U	0.0012 U	0.0017 U	0.0016 U	0.0013 U	0.048	0.0019 U	0.0017 U	0.0019 U
SB-11	7	02/09/07	0.00299 U	0.00286 U	0.00208 U	0.00208 U	0.00156 U	0.00221 U	0.00208 U	0.0024 I	0.00221 U	0.00247 U	0.00221 U	0.00247 U	
SB-11	12	02/09/07	0.00299 U	0.00286 U	0.00208 U	0.00208 U	0.00156 U	0.00221 U	0.00208 U	0.00169 U	0.00221 U	0.00247 U	0.00221 U	0.00247 U	
SB-11	13	02/09/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U	
SB-11	23	02/09/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U	
SB-11	27	02/09/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U	
SB-12	1	02/08/07	0.25	0.00242 U	0.088	0.00176 U	0.00176 U	0.00132 U	0.00187 U	0.00176 U	0.00143 U	0.23	0.00209 U	0.0019 U	0.00209 U
SB-12	3	02/08/07	0.29	0.00242 U	0.31	0.00176 U	0.00176 U	0.00132 U	0.00187 U	0.00176 U	0.0016 U	0.56	0.00209 U	0.0095 U	0.00209 U
SB-12	5	02/08/07	0.0023 U	0.0022 U	0.0047 I	0.0016 U	0.0016 U	0.0012 U	0.0017 U	0.0016 U	0.0039 I	0.0017 U	0.0019 U	0.0017 U	0.0019 U
SB-12	6	02/08/07	0.00276 U	0.00264 U	0.019	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.024	0.00204 U	0.00228 U	0.00204 U	0.00228 U
SB-12	12	02/08/07	0.00299 U	0.00286 U	0.00208 U	0.00208 U	0.00156 U	0.00221 U	0.00208 U	0.00169 U	0.00221 U	0.0021 I	0.00221 U	0.00247 U	
SB-12	19	02/08/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U	
SB-12	30	02/08/07	0.00276 U	0.00264 U	0.00192 U	0.00192 U	0.00144 U	0.00204 U	0.00192 U	0.00156 U	0.00204 U	0.00228 U	0.00204 U	0.00228 U	
SB-13	4	02/09/07	1.8	1	0.25	0.0352 K	0.0352 K	0.0264 K	0.0374 K	0.0352 K	0.0286 K	1.3	0.0418 K	0.0374 K	0.0418 K
SB-13	6	02/09/07	1.1	8.1	0.15	0.0992 K	0.0992 K	0.0744 K	0.1054 K	0.0992 K	0.0806 K	0.9	0.1178 K	0.1054 K	0.1178 K
SB-13	7	02/09/07	1.4	1.4	0.19	0.0192 K	0.0192 K	0.0144 K	0.0204 K	0.0192 K	0.0156 K	2	0.0228 K	0.0204 K	0.0228 K
SB-13	13	02/09/07	0.00299 U	0.00286 U	0.00208 U	0.00208 U	0.00156 U	0.00221 U	0.00208 U	0.00169 U	0.00221 U	0.00247 U	0.00221 U	0.00247 U	
SB-13	14.2	02/09/07	0.28	0.11	0.16	0.0192 K	0.0192 K	0.0144 K	0.0204 K	0.0192 K	0.0156 K	0.22	0.0228 K	0.0204 K	0.0228 K
SB-13	22	02/09/07	0.34	0.48	0.058	0.01024 K	0.01024 K	0.00768 K	0.01088 K	0.01024 K	0.00832 K	0.26	0.01216 K	0.01088 K	0.01216 K
SB-13	27	02/09/07	0.00299 U	0.00286 U	0.00208 U	0.00208 U	0.00156 U	0.00221 U	0.00208 U	0.00169 U	0.00221 U	0.00247 U	0.00221 U	0.00247 U	
SB-A	0.5	09/14/07	0.022	0.0028 U	0.019	0.002 U	0.0034 I	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.022	0.0024 U	0.0039 I	0.0024 U
SB-A	3.5	09/14/07	0.003 U	0.0029 U	0.0021 U	0.0021 U	0.0016 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0025 U	0.0022 U	0.0025 U	
SB-A	6	09/14/07	0.003 U	0.0029 U	0.0021 U	0.0021 U	0.0016 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0025 U	0.0022 U	0.0025 U	
SB-A	10	09/14/07	0.0029 U	0.0028 U	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U	
SB-A	11.5	09/14/07	0.0027 U	0.0026 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0015 U	0.002 U	0.0023 U	0.002 U	0.0023 U	
SB-A	14	09/14/07	0.0028 U	0.0027 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U	
SB-A	17	09/14/07	0.0029 U	0.0028 U	0.0021 U	0.0021 U	0.0015 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U	
SB-A	20.5	09/14/07	0.0029 U	0.0028 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0024 U	0.0021 U	0.0024 U	
SB-A	23	09/14/07	0.0029 U	0.0028 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0024 U	0.0021 U	0.0024 U	
SB-A	26.5	09/14/07	0.003 U	0.0029 U	0.0021 U	0.0021 U	0.0016 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0025 U	0.0022 U	0.0025 U	
SB-A	33	09/14/07	0.0029 U	0.0028 U	0.0021 U	0.0021 U	0.0015 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U	
SB-A	37	09/14/07	0.0029 U	0.0028 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0024 U	0.0021 U	0.0024 U	
SB-B	0.5	09/14/07	0.0024 U	0.0023 U	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.0018 U	0.002 U	0.0018 U	0.002 U	
SB-B	1	09/14/07	6.7	0.024 K	5.3	0.018 K	1.2	0.013 K	0.019 K	0.018 K	0.014 K	7.3	0.021 K	0.019 K	0.021 K
SB-B	5	09/14/07	0.028	0.0025 U	0.037	0.017	0.014	0.0013 U	0.0019 U	0.0018 U	0.0015 U	0.033	0.0021 U	0.0019 U	0.0021 U
SB-B	7	09/14/07	0.23	0.024 K	0.15	0.017 K	0.017 K	0.013 K	0.018 K	0.017 K	0.014 K	0.24	0.02 K	0.018 K	0.02 K
SB-B	9	09/14/07	0.02	0.0028 U	0.012	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.019	0.0024 U	0.0021 U	0.0024 U
SB-B	11	09/14/07	0.0028 U	0.0027 U	0.037	0.0019 U	0.0019 U								

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane (mg/kg)	Aldrin (mg/kg)	Dieldrin (mg/kg)	Endosulfan I (mg/kg)	Endosulfan II (mg/kg)	Endosulfan sulfate (mg/kg)	Endrin (mg/kg)	Endrin aldehyde (mg/kg)	Endrin ketone (mg/kg)	γ -Chlordane (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Methoxychlor (mg/kg)
SB-P	8	09/14/07	1.7	0.054 I	0.019 K	0.019 K	0.43	0.014 K	0.02 K	0.019 K	0.016 K	1.3	0.11	0.02 K	0.023 K
SB-P	10	09/14/07	0.2	0.0079 I	0.091	0.0021 U	0.0021 U	0.0016 U	0.0022 U	0.0021 U	0.0017 U	0.22	0.013	0.0022 U	0.0025 U
SB-P	12	09/14/07	0.0065 I	0.0029 U	0.0021 U	0.0021 U	0.0021 U	0.0016 U	0.0022 U	0.0021 U	0.0017 U	0.0084 I	0.0025 U	0.0022 U	0.0025 U
SB-P	14	09/14/07	0.0029 U	0.0028 U	0.0021 U	0.0021 U	0.0021 U	0.0015 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U
SB-P	17	09/14/07	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SB-P	19	09/14/07	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SB-P	24	09/14/07	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SB-P	28	09/14/07	0.0029 U	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U
SB-Q	3.5	09/14/07	0.016	0.0026 U	0.0081	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0015 U	0.016	0.0022 U	0.002 U	0.0022 U
SB-Q	7	09/14/07	0.067	0.0042 I	0.048	0.0021 U	0.0021 U	0.0015 U	0.0022 U	0.0021 U	0.0017 U	0.06	0.0024 U	0.0022 U	0.0024 U
SB-Q	9	09/14/07	0.0029 U	0.0028 U	0.0021 U	0.0021 U	0.0021 U	0.0015 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U
SB-Q	13	09/14/07	0.0029 U	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U
SB-Q	16	09/14/07	0.033	0.0028 U	0.02	0.0021 U	0.0021 U	0.0015 U	0.0022 U	0.0021 U	0.0017 U	0.029	0.0024 U	0.0022 U	0.0024 U
SB-Q	17	09/14/07	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SB-Q	20.5	09/14/07	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SB-Q	23	09/14/07	0.0027 U	0.0026 U	0.0019 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0015 U	0.002 U	0.0023 U	0.002 U	0.0023 U
SB-Q	25	09/14/07	0.0029 U	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U
SB-Q	30	09/14/07	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SO-14	0.5	03/31/08	2.5	0.023 K	0.017 K	0.017 K	0.013 K	0.018 K	0.017 K	0.014 K	2.3	0.02 K	0.018 K	0.02 K	
SO-14	4.5	03/31/08	0.66	0.0024 U	0.23	0.0018 U	0.0013 U	0.0019 U	0.0018 U	0.0014 U	0.6	0.0021 U	0.0019 U	0.0021 U	
SO-14	7	03/31/08	0.003 U	0.0029 U	0.0021 U	0.0021 U	0.0016 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0025 U	0.0022 U	0.0025 U	
SO-14	10	03/31/08	0.0029 U	0.0028 U	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U	
SO-14	12	03/31/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U	
SO-14	14.5	03/31/08	0.0028 U	0.0027 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0016 U	0.002 U	0.0023 U	0.002 U	0.0023 U	
SO-15	1	03/31/08	0.067	0.0023 U	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.095	0.002 U	0.0018 U	0.002 U	
SO-15	6	03/31/08	0.041	0.0025 U	0.0018 U	0.0018 U	0.0018 U	0.002 U	0.0018 U	0.0015 U	0.064	0.0022 U	0.002 U	0.0022 U	
SO-15	10.5	03/31/08	0.003 U	0.0029 U	0.0021 U	0.0021 U	0.0016 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0025 U	0.0022 U	0.0025 U	
SO-15	12	03/31/08	0.0029 U	0.0028 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0024 U	0.0021 U	0.0024 U	
SO-15	14	03/31/08	0.0027 U	0.0026 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0015 U	0.002 U	0.0023 U	0.002 U	0.0023 U	
SO-16	2	03/31/08	0.29	0.0024 U	0.055	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.28	0.002 U	0.0018 U	0.002 U
SO-16	6	03/31/08	0.0024 U	0.0023 U	0.12	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.0018 U	0.002 U	0.0018 U	0.002 U
SO-16	11	03/31/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0035 I	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SO-16	13.5	03/31/08	0.0029 U	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0024 U	0.0021 U	0.0024 U
SO-16	14	03/31/08	0.0029 U	0.0028 U	0.0076 I	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.064	0.0022 U	0.0024 U	0.0022 U	0.0024 U
SO-17	2	03/31/08	0.88	0.023 K	0.017 K	0.017 K	0.013 K	0.018 K	0.017 K	0.014 K	1.2	0.026 I	0.018 K	0.02 K	
SO-17	4	03/31/08	0.13	0.0023 U	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.12	0.007 I	0.0018 U	0.002 U	
SO-17	6	03/31/08	0.0029 U	0.0028 U	0.0021 U	0.0021 U	0.0015 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U	
SO-17	9	03/31/08	0.0029 U	0.0028 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0024 U	0.0021 U	0.0024 U	
SO-17	11	03/31/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U	
SO-17	14	03/31/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U		

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane (mg/kg)	Aldrin (mg/kg)	Dieldrin (mg/kg)	Endosulfan I (mg/kg)	Endosulfan II (mg/kg)	Endosulfan sulfate (mg/kg)	Endrin (mg/kg)	Endrin aldehyde (mg/kg)	Endrin ketone (mg/kg)	γ -Chlordane (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Methoxychlor (mg/kg)
SO-21	1	04/01/08	0.0024 U	0.0023 U	0.0017 U	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.0018 U	0.002 U	0.0018 U	0.002 U
SO-21	3	04/01/08	0.0025 U	0.0024 U	0.0017 U	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.0018 U	0.002 U	0.0018 U	0.002 U
SO-21	7	04/01/08	0.0029 U	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U
SO-21	10	04/01/08	0.0032 U	0.003 U	0.0026 I	0.0022 U	0.0022 U	0.0016 U	0.0023 U	0.0022 U	0.0018 U	0.0023 U	0.0026 U	0.0023 U	0.0026 U
SO-21	14	04/01/08	0.0029 U	0.0028 U	0.0021 U	0.0021 U	0.0021 U	0.0015 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U
SO-22	0.5	04/01/08	0.0024 U	0.0023 U	0.0017 U	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.0018 U	0.002 U	0.0018 U	0.002 U
SO-22	3	04/01/08	0.0025 U	0.0024 U	0.0017 U	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.0018 U	0.002 U	0.0018 U	0.002 U
SO-22	7	04/01/08	0.0027 U	0.0026 U	0.0019 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0015 U	0.002 U	0.0022 U	0.002 U	0.0022 U
SO-22	10	04/01/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SO-22	15	04/01/08	0.0028 U	0.0027 U	0.0019 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0016 U	0.002 U	0.0023 U	0.002 U	0.0023 U
SO-23	0.5	04/01/08	0.029	0.0023 U	0.011	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.03	0.002 U	0.0018 U	0.002 U
SO-23	4	04/01/08	0.0025 U	0.0024 U	0.002 I	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.0018 U	0.0021 U	0.0018 U	0.0021 U
SO-23	6	04/01/08	0.0029 U	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0024 U	0.0021 U	0.0024 U
SO-23	8	04/01/08	0.003 U	0.0029 U	0.0026 I	0.0021 U	0.0021 U	0.0016 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0025 U	0.0022 U	0.0025 U
SO-23	10	04/01/08	0.0031 U	0.0029 U	0.0021 U	0.0021 U	0.0021 U	0.0016 U	0.0023 U	0.0021 U	0.0017 U	0.0023 U	0.0025 U	0.0023 U	0.0025 U
SO-23	15	04/01/08	0.0029 U	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U
SO-24	1	04/01/08	0.0026 U	0.0024 U	0.0018 U	0.0018 U	0.0018 U	0.0013 U	0.0019 U	0.0018 U	0.0014 U	0.0019 U	0.0021 U	0.0019 U	0.0021 U
SO-24	3	04/01/08	0.44	0.0024 U	0.081	0.0018 U	0.0018 U	0.0013 U	0.0019 U	0.0018 U	0.0014 U	0.48	0.0021 U	0.0019 U	0.0021 U
SO-24	7	04/01/08	0.0026 U	0.0025 U	0.0018 U	0.0018 U	0.0018 U	0.0014 U	0.002 U	0.0018 U	0.0015 U	0.002 U	0.0022 U	0.002 U	0.0022 U
SO-24	11	04/01/08	0.0029 U	0.0028 U	0.0021 U	0.0021 U	0.0021 U	0.0015 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U
SO-24	15	04/01/08	0.0028 U	0.0027 U	0.0019 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0016 U	0.002 U	0.0023 U	0.002 U	0.0023 U
SO-25	0.5	04/01/08	0.14	0.024 K	0.07	0.017 K	0.017 K	0.013 K	0.018 K	0.017 K	0.014 K	0.15	0.02 K	0.018 K	0.02 K
SO-25	3	04/01/08	0.026 K	0.025 K	0.018 K	0.018 K	0.018 K	0.013 K	0.019 K	0.018 K	0.015 K	0.019 K	0.021 K	0.019 K	0.021 K
SO-25	7	04/01/08	0.46	0.0025 U	0.23	0.0018 U	0.0018 U	0.0013 U	0.0019 U	0.0018 U	0.0015 U	0.52	0.0021 U	0.0019 U	0.0021 U
SO-25	9	04/01/08	0.0031 U	0.0029 U	0.0021 U	0.0021 U	0.0021 U	0.0016 U	0.0023 U	0.0021 U	0.0017 U	0.0023 U	0.0025 U	0.0023 U	0.0025 U
SO-25	14	04/01/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SO-26	3	04/01/08	1.2	0.58	0.018 K	0.018 K	0.018 K	0.013 K	0.019 K	0.018 K	0.014 K	1.7	0.021 K	0.019 K	0.021 K
SO-26	5	04/01/08	1	1.1	0.55	0.018 K	0.018 K	0.013 K	0.019 K	0.018 K	0.014 K	1.6	0.021 K	0.019 K	0.021 K
SO-26	8	04/01/08	0.1	0.048	0.049	0.0018 U	0.0018 U	0.0013 U	0.0019 U	0.0018 U	0.0014 U	0.14	0.0021 U	0.0019 U	0.0021 U
SO-26	10	04/01/08	0.0028 U	0.0027 U	0.0019 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0016 U	0.002 U	0.0023 U	0.002 U	0.0023 U
SO-26	12	04/01/08	0.0028 U	0.0027 U	0.0019 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0016 U	0.002 U	0.0023 U	0.002 U	0.0023 U
SO-27	0.5	04/01/08	0.013	0.0024 U	0.0017 U	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.016	0.002 U	0.0018 U	0.002 U
SO-27	3	04/01/08	0.025 K	0.024 K	0.018 K	0.018 K	0.018 K	0.013 K	0.019 K	0.018 K	0.014 K	0.019 K	0.021 K	0.019 K	0.021 K
SO-27	8	04/01/08	0.0029 U	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0024 U	0.0021 U	0.0024 U
SO-27	11	04/01/08	0.0029 U	0.0028 U	0.0021 U	0.0021 U	0.0021 U	0.0015 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U
SO-27	12	04/01/08	0.14	0.0027 U	0.0019 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0016 U	0.2	0.0023 U	0.002 U	0.0023 U
SO-28	0.5	04/01/08	0.054	0.0024 U	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.044	0.002 U	0.0018 U	0.002 U	
SO-28	3	04/01/08	1.1	0.025 K	0.17	0.018 K	0.018 K	0.013 K	0.019 K	0.018 K	0.015 K	0.96	0.021 K	0.019 K	0.021 K
SO-28	7	04/01/08	1.6	0.026 K	0.24	0.019 K	0.019 K	0.014 K	0.02 K	0.019 K	0.015 K	1.2	0.023 K	0.02 K	0.023 K
SO-28	10	04/01/08	0.16	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.21	0.0024 U	0.0021 U	0.0024 U
SO-28	13	04/01/08	0.019	0.0028 U	0.0087	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.027	0.0024 U	0.0021 U	0.0024 U
SO-29	3	04/01/08	6.9	0.025 K	0.018 K	0.018 K	0.018 K	0.013 K	0.019 K	0.018 K	0.015 K	6.9	0.021 K	0.019 K	0.021 K
SO-29	8	04/01/08	6.3 [2.2]	0.026 K [0.0029 U]	0.019 K [0.0021 U]	0.019 K [0.0021 U]	0.019 K [0.0016 U]	0.014 K [0.0016 U]	0.02 K [0.0022 U]	0.019 K [0.0021 U]	0.015 K [0.0017 U]	5.4 [1.7]	0.023 K [0.0025 U]	0.02 K [0.0022 U]	0.023 K [0.0025 U]
SO-29	10	04/01/08	0.07	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.091	0.0024 U	0.0022 U	0.0024 U
SO-29	12	04/01/08	0.046	0.0026 U	0.0019 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0015 U	0.042	0.0022 U	0.002 U	0.0022 U
SO-29	15	04/01/08	0.0027 U	0.0026 U	0.0019 U	0.0019 U	0.0019 U	0.0014 U							

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane (mg/kg)	Aldrin (mg/kg)	Dieldrin (mg/kg)	Endosulfan I (mg/kg)	Endosulfan II (mg/kg)	Endosulfan sulfate (mg/kg)	Endrin (mg/kg)	Endrin aldehyde (mg/kg)	Endrin ketone (mg/kg)	γ -Chlordane (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Methoxychlor (mg/kg)
SO-31	8	04/01/08	0.24	0.14	0.0022 U	0.0022 U	0.0022 U	0.0016 U	0.0023 U	0.0022 U	0.0018 U	0.23	0.0026 U	0.0023 U	0.0026 U
SO-31	10	04/01/08	0.14	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.16	0.0024 U	0.0022 U	0.0024 U
SO-31	14	04/01/08	0.0029 U	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U
SO-32	0.5	04/02/08	0.028 [0.02]	0.0026 U [0.0025 U]	0.0019 U [0.0018 U]	0.0019 U [0.0018 U]	0.0019 U [0.0018 U]	0.0014 U [0.0013 U]	0.002 U [0.0019 U]	0.0019 U [0.0018 U]	0.0015 U [0.0015 U]	0.031 [0.022]	0.0022 U [0.0021 U]	0.002 U [0.0019 U]	0.0022 U [0.0021 U]
SO-32	4	04/02/08	0.83	0.066	0.0019 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0015 U	0.82	0.0022 U	0.002 U	0.0022 U
SO-32	8	04/02/08	1.7	0.13 K	0.47	0.095 K	0.095 K	0.07 K	0.1 K	0.095 K	0.075 K	1.5	0.11 K	0.1 K	0.11 K
SO-32	12	04/02/08	0.14	0.0056 K	0.0042 K	0.0042 K	0.0042 K	0.003 K	0.0044 K	0.0042 K	0.0034 K	0.22	0.0048 K	0.0044 K	0.0048 K
SO-32	15	04/02/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SO-33	2	04/02/08	0.2	0.023	0.0036 K	0.0036 K	0.0036 K	0.0026 K	0.0038 K	0.0036 K	0.003 K	0.19	0.0042 K	0.0038 K	0.0042 K
SO-33	4	04/02/08	2.6	0.57 I	0.019 K	0.19 K	0.019 K	0.014 K	0.02 K	0.019 K	0.016 K	2.5	0.023 K	0.02 K	0.023 K
SO-33	7	04/02/08	0.24	0.14	0.02 K	0.02 K	0.02 K	0.015 K	0.021 K	0.02 K	0.016 K	0.4	0.023 K	0.021 K	0.023 K
SO-33	12	04/02/08	0.0028 U	0.0027 U	0.0019 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0016 U	0.002 U	0.0023 U	0.002 U	0.0023 U
SO-33	15	04/02/08	0.0027 U	0.0026 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0015 U	0.002 U	0.0023 U	0.002 U	0.0023 U	
SO-34	1	04/02/08	42	20	42	0.38 K	0.38 K	0.28 K	0.4 K	0.38 K	0.3 K	27	0.46 K	0.4 K	0.46 K
SO-34	3	04/02/08	0.0086 I	0.0023 U	0.0064 I	0.0017 U	0.0017 U	0.0012 U	0.0018 U	0.0017 U	0.0014 U	0.0098	0.002 U	0.0018 U	0.002 U
SO-34	5	04/02/08	0.079	0.0024 U	0.0017 U	0.0017 U	0.0025 I	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.0018 U	0.0021 U	0.0018 U	0.0021 U
SO-34	7	04/02/08	0.047	0.0026 U	0.0019 U	0.0019 U	0.12	0.0014 U	0.002 U	0.0019 U	0.0015 U	0.002 U	0.0023 U	0.002 U	0.0023 U
SO-34	11	04/02/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.017	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SO-35	2	04/02/08	1,600	0.25 K	0.18 K	0.18 K	0.18 K	0.13 K	0.19 K	0.18 K	0.15 K	1,200	220	0.19 K	0.21 K
SO-35	5	04/02/08	0.033	0.0057 I	0.029	0.0018 U	0.0018 U	0.0013 U	0.0019 U	0.0018 U	0.0014 U	0.021	0.0021 U	0.0019 U	0.0021 U
SO-35	8	04/02/08	0.0029 U	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0024 U	0.0021 U	0.0024 U
SO-35	11	04/02/08	0.029	0.0026 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0015 U	0.039	0.0023 U	0.002 U	0.0023 U	
SO-35	15	04/02/08	0.015	0.0027 U	0.0054 I	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0016 U	0.011	0.0023 U	0.002 U	0.0023 U
SO-36	0.5	04/02/08	0.25	0.0023 U	0.045	0.0017 U	0.0017 U	0.0012 U	0.0018 U	0.0017 U	0.0014 U	0.23	0.002 U	0.0018 U	0.002 U
SO-36	3	04/02/08	0.014	0.0029 U	0.01	0.0021 U	0.0021 U	0.0016 U	0.0022 U	0.0021 U	0.0017 U	0.011	0.0025 U	0.0022 U	0.0025 U
SO-36	4	04/02/08	0.0024 U	0.0023 U	0.0024 I	0.0017 U	0.0017 U	0.0012 U	0.0018 U	0.0017 U	0.0014 U	0.0018 U	0.002 U	0.0018 U	0.002 U
SO-36	5	04/02/08	0.0026 U	0.0025 U	0.096	0.0018 U	0.0018 U	0.0014 U	0.002 U	0.0018 U	0.0015 U	0.002 U	0.0022 U	0.002 U	0.0022 U
SO-36	7	04/02/08	0.034	0.0027 U	0.015	0.002 U	0.002 U	0.012	0.0021 U	0.002 U	0.0016 U	0.041	0.0023 U	0.0021 U	0.0023 U
SO-36	9	04/02/08	1.6	0.0027 U	0.0019 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0016 U	1.4	0.092	0.002 U	0.0023 U
SO-36	14	04/02/08	0.0028 U	0.0027 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0016 U	0.002 U	0.0023 U	0.002 U	0.0023 U	
SO-37	1	04/02/08	0.11	0.0026 U	0.077	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0015 U	0.099	0.0023 U	0.002 U	0.0023 U
SO-37	3	04/02/08	0.0024 U	0.0023 U	0.0017 U	0.0017 U	0.0012 U	0.0018 U	0.0017 U	0.0014 U	0.0018 U	0.002 U	0.0018 U	0.002 U	
SO-37	5	04/02/08	0.0029 U	0.0028 U	0.0057 I	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0024 U	0.0021 U	0.0024 U
SO-37	10	04/02/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SO-37	14	04/02/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SO-38	0.5	04/02/08	1.4	0.025 K	0.25	0.018 K	0.018 K	0.013 K	0.019 K	0.018 K	0.015 K	1.4	0.021 K	0.019 K	0.021 K
SO-38	2	04/02/08	0.0024 U	0.0023 U	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	0.0018 U	0.002 U	0.0018 U	0.002 U	
SO-38	6	04/02/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SO-38	9	04/02/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U
SO-38	13	04/02/08	0												

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane (mg/kg)	Aldrin (mg/kg)	Dieldrin (mg/kg)	Endosulfan I (mg/kg)	Endosulfan II (mg/kg)	Endosulfan sulfate (mg/kg)	Endrin (mg/kg)	Endrin aldehyde (mg/kg)	Endrin ketone (mg/kg)	γ -Chlordane (mg/kg)	Heptachlor (mg/kg)	Heptachlor epoxide (mg/kg)	Methoxychlor (mg/kg)
SO-42	8	04/02/08	0.0029 U	0.0028 U	0.0021 U	0.0021 U	0.0021 U	0.0015 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U
SO-42	13	04/02/08	0.0029 U	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0024 U	0.0021 U	0.0024 U
SO-43	3	04/02/08	8.2	0.025 K	9	0.018 K	0.018 K	0.014 K	0.019 K	0.018 K	0.015 K	7	0.022 K	0.019 K	0.022 K
SO-43	5	04/02/08	4.3	0.023 K	2.6	0.017 K	0.017 K	0.012 K	0.018 K	0.017 K	0.014 K	3.5	0.02 K	0.018 K	0.02 K
SO-43	7	04/02/08	0.031	0.0026 U	0.0019 U	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0015 U	0.036	0.0023 U	0.002 U	0.0023 U
SO-43	10	04/02/08	0.0076 I	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.011	0.0024 U	0.0021 U	0.0024 U
SO-43	13	04/02/08	0.0029 U	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0088	0.0024 U	0.0021 U	0.0024 U
SO-44	3	04/03/08	4.5 [6]	0.025 K [0.024 K]	0.018 K [0.018 K]	0.018 K [0.018 K]	0.013 K [0.013 K]	0.019 K [0.019 K]	0.018 K [0.018 K]	0.015 K [0.014 K]	2.8 [7.1]	0.021 K [0.021 K]	0.019 K [0.019 K]	0.021 K [0.021 K]	
SO-44	5	04/03/08	3.7	0.35 I	0.0017 U	0.0017 U	0.0013 U	0.0018 U	0.0017 U	0.0014 U	4.2	0.002 U	0.18 K	0.002 U	
SO-44	7	04/03/08	0.089	0.017	0.0018 U	0.0018 U	0.0014 U	0.0019 U	0.0018 U	0.0015 U	0.1	0.0022 U	0.0019 U	0.0022 U	
SO-44	9	04/03/08	0.0029 U	0.0038 I	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U	
SO-44	11	04/03/08	0.013	0.0097 I	0.0087	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.02	0.0023 U	0.0021 U	0.0023 U
SO-44	13	04/03/08	0.0029 U	0.0028 U	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.0022 U	0.0024 U	0.0022 U	0.0024 U	
SO-45	3	04/03/08	7.6	1.8	0.019 K	0.019 K	0.019 K	0.014 K	0.02 K	0.019 K	0.015 K	8.1	0.022 K	0.02 K	0.022 K
SO-45	6	04/03/08	0.12	0.027	0.0021 U	0.0021 U	0.0021 U	0.0015 U	0.0022 U	0.0021 U	0.0017 U	0.13	0.0024 U	0.0022 U	0.0024 U
SO-45	8	04/03/08	0.091	0.0028 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.002 U	0.0024 U	0.0021 U	0.0024 U	
SO-45	10	04/03/08	0.37	0.28	0.019 K	0.019 K	0.014 K	0.019 K	0.02 K	0.019 K	0.015 K	0.55	0.022 K	0.02 K	0.022 K
SO-45	15	04/03/08	0.0029 U	0.0028 U	0.003 I	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0024 U	0.0021 U	0.0024 U
SO-46	3	04/03/08	13	0.025 K	2.2	0.018 K	0.018 K	0.013 K	0.019 K	0.018 K	0.015 K	13	0.021 K	0.019 K	0.021 K
SO-46	5	04/03/08	0.03	0.0028 U	0.014	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.03	0.0024 U	0.0021 U	0.0024 U
SO-46	8	04/03/08	1.1	0.0027 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.002 U	0.83	0.0023 U	0.0021 U	0.0023 U
SO-46	11	04/03/08	0.31	0.0027 U	0.024	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.047	0.0023 U	0.0021 U	0.0023 U
SO-46	14	04/03/08	0.003 U	0.0029 U	0.0021 U	0.0021 U	0.0016 U	0.0022 U	0.0021 U	0.0017 U	0.0022 U	0.0025 U	0.0022 U	0.0025 U	
SO-47	2	04/03/08	3.3	1.6	0.31	0.017 K	0.017 K	0.013 K	0.018 K	0.017 K	0.014 K	3.7	0.021 K	0.018 K	0.021 K
SO-47	4	04/03/08	3.4	1.1	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	4.4	0.0024 U	0.0021 U	0.0024 U
SO-47	6	04/03/08	0.003 U	0.2	0.065	0.0021 U	0.0021 U	0.0016 U	0.0022 U	0.0021 U	0.0017 U	0.91	0.0025 U	0.0022 U	0.0025 U
SO-47	8	04/03/08	0.38	0.21	0.065	0.0021 U	0.0021 U	0.0016 U	0.0022 U	0.0021 U	0.0017 U	0.64	0.0025 U	0.0022 U	0.0025 U
SO-47	17	04/03/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.002 U	0.0016 U	0.0021 U	0.0023 U	0.0021 U	0.0023 U	
SO-48	2	04/03/08	1.9	1.3	0.017 K	0.017 K	0.017 K	0.013 K	0.018 K	0.017 K	0.014 K	2.2	0.02 K	0.018 K	0.02 K
SO-48	6	04/03/08	0.35	0.34	0.002 U	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.44	0.0024 U	0.0022 U	0.0024 U
SO-48	8.5	04/03/08	0.42	0.0028 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0022 U	0.002 U	0.0016 U	0.65	0.0024 U	0.0022 U	0.0024 U
SO-48	12	04/03/08	0.29 [0.37]	0.1 [0.16]	0.002 U [0.0019 U]	0.002 U [0.0019 U]	0.002 U [0.0019 U]	0.0015 U [0.0014 U]	0.0021 U [0.002 U]	0.002 U [0.0019 U]	0.0016 U [0.0015 U]	0.45 [0.73]	0.0023 U [0.0023 U]	0.0021 U [0.002 U]	0.0023 U [0.0023 U]
SO-48	14	04/03/08	0.0027 U [0.0028 U]	0.0026 U [0.0027 U]	0.0019 U [0.0019 U]	0.0019 U [0.0019 U]	0.0019 U [0.0019 U]	0.0014 U [0.0014 U]	0.002 U [0.002 U]	0.0019 U [0.0019 U]	0.0015 U [0.0016 U]	0.002 U [0.002 U]	0.0022 U [0.0023 U]	0.002 U [0.002 U]	0.0022 U [0.0023 U]
SO-49	0.5	04/03/08	0.0024 U	0.0023 U	0.0017 U	0.0017 U	0.0017 U	0.0012 U	0.0018 U	0.0017 U	0.0014 U	0.0018 U	0.002 U	0.0018 U	0.002 U
SO-49	5	04/03/08	0.0061 I [0.0024 U]	0.0023 U [0.0023 U]	0.0017 U [0.0017 U]	0.0017 U [0.0017 U]	0.0017 U [0.0017 U]	0.0012 U [0.0012 U]	0.0018 U [0.0018 U]	0.0017 U [0.0017 U]	0.0014 U [0.0014 U]	0.0077 [0.0018 U]	0.002 U [0.002 U]	0.0018 U [0.0018 U]	0.002 U [0.002 U]
SO-49	7	04/03/08	0.17	0.012	0.2	0.0019 U	0.0019 U	0.0014 U	0.002 U	0.0019 U	0.0015 U	0.15	0.0022 U	0.002 U	0.0022 U
SO-49	9	04/03/08	0.024 [0.03]	0.013 [0.015]	0.0019 U [0.002 U]	0.0019 U [0.002 U]	0.0019 U [0.002 U]	0.0014 U [0.0015 U]	0.002 U [0.0021 U]	0.0019 U [0.002 U]	0.0016 U [0.0016 U]	0.037 [0.045]	0.0023 U [0.0023 U]	0.002 U [0.0021 U]	0.0023 U [0.0023 U]
SO-49	14	04/03/08	0.0028 U	0.0027 U	0.002 U	0.002 U	0.002 U	0.0015 U	0.0021 U	0.0					

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	Mirex (mg/kg)	p,p'-DDD (mg/kg)	p,p'-DDE (mg/kg)	p,p'-DDT (mg/kg)	Toxaphene (mg/kg)	α -BHC (mg/kg)	β -BHC (mg/kg)	δ -BHC (mg/kg)	Lindane (mg/kg)	Total BHCs (mg/kg)	
TSB-1	0.5	12/29/03	NA	0.39	0.42	2.5	1.25 K	0.0125 K	0.032	0.0125 K	0.0125 K	NA	
TSB-1	2	12/29/03	NA	0.0025 U	0.0069	0.024	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-1	4	12/29/03	NA	0.0025 U	0.0061	0.014	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-1	6	12/29/03	NA	0.0025 U	0.0025 U	0.0028	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-1	8	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-2	0.5	12/29/03	NA	0.0025 U	0.2	0.097	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-2	2	12/29/03	NA	0.0025 U [0.0025 U]	0.0025 U [0.1]	0.13 [0.11]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.0048 [0.004]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	NA
TSB-2	4	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-2	6	12/29/03	NA	0.0025 U	0.021	0.02	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-2	8	12/29/03	NA	0.0025 U	0.0044	0.0036	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-3	0.5	12/17/03	NA	0.0025 U	0.034	0.042	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-3	2	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-3	4	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-3	6	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-3	8	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-3	10	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-4	0.5	12/29/03	NA	0.0025 U	0.0036	0.0027	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-4	2	12/29/03	NA	0.0025 U	0.023	0.017	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-4	4	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-4	6	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-4	8	12/29/03	NA	0.0025 U	0.005	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-5	0.5	12/29/03	NA	0.005 K	0.15	0.18	0.5 K	0.005 K	0.005 K	0.005 K	0.005 K	NA	
TSB-5	2	12/29/03	NA	0.0025 U	0.78	0.53	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-5	4	12/29/03	NA	0.0025 U [0.0025 U]	0.021 [0.022]	0.0097 [0.013]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	NA
TSB-5	6	12/29/03	NA	0.0025 U	0.0026	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-5	8	12/29/03	NA	0.0025 U	0.026	0.023	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-6	0.5	12/29/03	NA	0.0025 U	0.048	0.029	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-6	2	12/29/03	NA	0.005 K	0.23	0.14	0.5 K	0.005 K	0.005 K	0.005 K	0.005 K	NA	
TSB-6	4	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-6	6	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-6	8	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-7	0.5	12/17/03	NA	0.0025 U	0.033	0.043	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-7	2	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-7	4	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-7	6	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-7	8	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-7	10	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-8	0.5	12/29/03	NA	0.0025 U	0.058	0.044	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-8	2	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-8	4	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-8	6	12/29/03	NA	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	NA
TSB-8	8	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-9	0.5	12/29/03	NA	0.0125 K	0.0125 K	0.51	1.25 K	0.0125 K	0.0125 K	0.0125 K	0.0125 K	NA	
TSB-9	2	12/29/03	NA	0.005 K	0.005 K	0.005 K	14	0.005 K	0.005 K	0.005 K	0.005 K	NA	
TSB-9	4	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.3	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-9	6	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	1.2	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-9	8	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.41	0.0025 U	0.0047	0.0025 U	0.012	NA	
TSB-10	0.5	12/29/03	NA	0.0025 U	0.026	0.027	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-10	2	12/29/03	NA	0.005 K	0.005 K	0.005 K	30	0.005 K	0.031	0.005 K	0.097	NA	
TSB-10	4	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	9.6	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-10	6	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	1.6	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-1													

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	Mirex (mg/kg)	p,p'-DDD (mg/kg)	p,p'-DDE (mg/kg)	p,p'-DDT (mg/kg)	Toxaphene (mg/kg)	α -BHC (mg/kg)	β -BHC (mg/kg)	δ -BHC (mg/kg)	Lindane (mg/kg)	Total BHCs (mg/kg)	
TSB-11	2	12/17/03	NA	0.0025 U	0.083	0.07	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-11	4	12/17/03	NA	0.0025 U	0.0034	0.0045	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-11	6	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-11	8	12/17/03	NA	0.0025 U	0.0038	0.0031	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-11	10	12/17/03	NA	0.0025 U	0.016	0.0099	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-12	0.5	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-12	2	12/29/03	NA	0.0025 U	0.016	0.0065	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-12	4	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-12	6	12/29/03	NA	0.0025 U	0.0025 U	0.0034	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-12	8	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-13	0.5	12/29/03	NA	0.0025 U	0.037	0.021	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-13	2	12/29/03	NA	0.0025 U [0.0025 U]	0.0025 U [0.0032]	0.0025 U [0.0044]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	NA
TSB-13	4	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-13	6	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-13	8	12/29/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-14	0.5	12/30/03	NA	0.005 K	0.065	0.068	0.5 K	0.005 K	0.005 K	0.005 K	0.005 K	NA	
TSB-14	2	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-14	4	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-14	6	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-14	8	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-15	0.5	12/17/03	NA	0.125 K	1	2.2	12.5 K	0.125 K	0.125 K	0.125 K	0.125 K	NA	
TSB-15	2	12/17/03	NA	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	NA
TSB-15	4	12/17/03	NA	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	NA
TSB-15	6	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-15	8	12/17/03	NA	0.0099	0.025	0.063	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-15	10	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.004	0.0025 U	0.0025 U	NA	
TSB-16	0.5	12/30/03	NA	0.0025 U	0.0048	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-16	2	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-16	4	12/30/03	NA	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	NA
TSB-16	6	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-16	8	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-17	0.5	12/30/03	NA	0.005 K	0.42	0.32	0.5 K	0.005 K	0.005 K	0.005 K	0.005 K	NA	
TSB-17	2	12/30/03	NA	0.0025 U	0.0025 U	0.0031	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-17	4	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-17	6	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-17	8	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-18	0.5	12/30/03	NA	0.0025 U	0.0025 U	0.003	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-18	2	12/30/03	NA	0.0025 U	0.0025 U	0.004	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-18	4	12/30/03	NA	0.0036	0.0025 U	0.075	0.25 U	0.0025 U	0.04	0.0025 U	0.0025 U	NA	
TSB-18	6	12/30/03	NA	0.0025 U [0.0025 U]	0.0027 [0.0025 U]	0.059 [0.034]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.26 [0.031]	0.0025 U [0.0025 U]	0.046 [0.0025 U]	NA	
TSB-18	8	12/30/03	NA	0.0025 U	0.0025 U	0.0025	0.25 U	0.0025 U	0.0082	0.0025 U	0.0025 U	NA	
TSB-19	0.5	12/30/03	NA	0.0025 U	0.017	0.018	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-19	2	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-19	4	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-19	6	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-19	8	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-20	0.5	12/18/03	NA	0.025 K	0.08	0.094	2.5 K	0.025 K	0.025 K	0.025 K	0.025 K	NA	
TSB-20	2	12/18/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA	
TSB-20	4	12/18/03	NA	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]</		

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	Mirex (mg/kg)	p,p'-DDD (mg/kg)	p,p'-DDE (mg/kg)	p,p'-DDT (mg/kg)	Toxaphene (mg/kg)	α -BHC (mg/kg)	β -BHC (mg/kg)	δ -BHC (mg/kg)	Lindane (mg/kg)	Total BHCs (mg/kg)
TSB-21	2	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-21	4	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-21	6	12/30/03	NA	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	NA
TSB-21	8	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-22	0.5	12/30/03	NA	0.056	0.047	0.12	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-22	2	12/30/03	NA	0.0025 U	0.0025 U	0.0049	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-22	4	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-22	6	12/30/03	NA	0.0025 U	0.0032	0.004	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-22	8	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-23	0.5	12/18/03	NA	0.0025 U	0.42	0.26	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-23	2	12/18/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-23	4	12/18/03	NA	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	NA
TSB-23	6	12/18/03	NA	0.0025 U	0.0026	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-23	8	12/18/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-23	10	12/18/03	NA	0.0025 U	0.0034	0.0031	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-24	0.5	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-24	2	12/30/03	NA	0.0025 U	0.0064	0.0048	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-24	4	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-24	6	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-24	8	12/30/03	NA	0.0025 U [0.0025 U]	0.0025 U [0.0025]	0.0025 U [0.004]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	NA
TSB-25	0.5	12/30/03	NA	0.0125 K	0.2	0.2	1.25 K	0.0125 K	0.0125 K	0.0125 K	0.0125 K	NA
TSB-25	2	12/30/03	NA	0.0025 U	0.0027	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-25	4	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-25	6	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-25	8	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-26	0.5	12/30/03	NA	0.005 K	0.33	0.26	0.5 K	0.005 K	0.005 K	0.005 K	0.005 K	NA
TSB-26	2	12/30/03	NA	0.0025 U	0.0039	0.0046	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-26	4	12/30/03	NA	0.0025 U	0.0032	0.0034	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-26	6	12/30/03	NA	0.0025 U [0.023]	0.0025 U [0.19]	0.0025 U [0.14]	0.25 U [0.5 K]	0.0025 U [0.005 K]	0.0025 U [0.005 K]	0.0025 U [0.005 K]	0.0025 U [0.005 K]	NA
TSB-26	8	12/30/03	NA	0.078	0.41	0.42	1.25 K	0.0125 K	0.0125 K	0.0125 K	0.0125 K	NA
TSB-27	0.5	12/30/03	NA	0.005 K	0.11	0.13	0.5 K	0.005 K	0.005 K	0.005 K	0.005 K	NA
TSB-27	2	12/30/03	NA	0.005 K	0.51	2.7	22	0.005 K	0.005 K	0.005 K	0.005 K	NA
TSB-27	4	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	1.4	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-27	6	12/30/03	NA	0.005 K	0.005 K	0.005 K	6.2	0.005 K	0.005 K	0.005 K	0.005 K	NA
TSB-27	8	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	3.8	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-28	0.5	12/17/03	NA	0.0025 U	0.042	0.18	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-28	2	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-28	4	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-28	6	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-28	8	12/17/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-28	10	12/17/03	NA	0.0025 U	0.0025 U	0.0053	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-29	0.5	12/30/03	NA	0.005 K	0.36	0.35	0.5 K	0.005 K	0.005 K	0.005 K	0.005 K	NA
TSB-29	2	12/30/03	NA	0.0025 U	0.0043	0.0027	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-29	4	12/30/03	NA	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	NA
TSB-29	6	12/30/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-29	8	12/30/03	NA	0.0025 U	0.0031	0.0035	0.25 U	0.0025 U	0.0026	0.0025 U	0.0025 U	NA
TSB-30	0.5	12/31/03	NA	0.0025 U	0.016	0.0091	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-30	2	12/31/03	NA	0.0025 U	0.0063	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-30	4	12/31/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-30	6	12/31/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-30	8	12/3										

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	Mirex (mg/kg)	p,p'-DDD (mg/kg)	p,p'-DDE (mg/kg)	p,p'-DDT (mg/kg)	Toxaphene (mg/kg)	α -BHC (mg/kg)	β -BHC (mg/kg)	δ -BHC (mg/kg)	Lindane (mg/kg)	Total BHCs (mg/kg)
TSB-31	4	12/31/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
TSB-31	6	12/31/03	NA	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.25 U [0.25 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	0.0025 U [0.0025 U]	NA
TSB-31	8	12/31/03	NA	0.0025 U	0.0025 U	0.0025 U	0.25 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	NA
SB-1	2	02/12/07	NA	0.0018 U	0.0017 U	0.0011 U	0.23 U	0.0029 U	0.0018 U	0.0022 U	0.0006 U	ND
SB-1	6	02/12/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-1	10.5	02/12/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.0014 I	0.0014
SB-2	2	02/05/07	NA	0.00234 U	0.033	0.0095	0.299 U	0.00377 U	0.00234 U	0.00286 U	0.00078 U	ND
SB-2	6	02/05/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-2	9	02/05/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-2	11	02/05/07	NA	0.00216 U	0.00204 U	0.0067	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-2	22	02/05/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.17	0.02	0.00072 U	0.19
SB-2	27	02/05/07	NA	0.00252 U	0.00238 U	0.00154 U	0.322 U	0.00406 U	0.00252 U	0.00308 U	0.00084 U	ND
SB-2	30	02/05/07	NA	0.00234 U	0.00221 U	0.00143 U	0.299 U	0.00377 U	0.00234 U	0.00286 U	0.00078 U	ND
SB-3	2	02/06/07	NA	0.01224 U	0.098	0.1	1.564 U	0.01972 U	0.01224 U	0.01496 U	0.00408 U	ND
SB-3	5	02/06/07	NA	0.0018 U	0.0017 U	0.0011 U	0.23 U	0.0029 U	0.0018 U	0.0022 U	0.0006 U	ND
SB-3	9	02/06/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-3	15	02/06/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-3	27	02/06/07	NA	0.00252 U	0.00238 U	0.00154 U	0.322 U	0.00406 U	0.00252 U	0.00308 U	0.00084 U	ND
SB-3	33	02/06/07	NA	0.00234 U	0.00221 U	0.00143 U	0.299 U	0.00377 U	0.00234 U	0.00286 U	0.00078 U	ND
SB-3	40	02/06/07	NA	0.0073	0.01	0.047	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-4	2	02/08/07	NA	0.0018 U	0.13	0.035	1.8	0.0029 U	0.067	0.0022 U	0.0011 I	0.0681
SB-4	5	02/08/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-4	8	02/08/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-4	25	02/08/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-4	28	02/08/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-4	35	02/08/07	NA	0.00234 U	0.00221 U	0.00143 U	0.299 U	0.00377 U	0.00234 U	0.00286 U	0.00078 U	ND
SB-4	37	02/08/07	NA	0.00234 U	0.00221 U	0.00143 U	0.299 U	0.00377 U	0.00234 U	0.00286 U	0.00078 U	ND
SB-5	1	02/08/07	NA	0.1134 K	0.45	0.37	14.49 K	0.1827 K	0.1134 K	0.1386 K	0.0378 K	ND
SB-5	5	02/08/07	NA	0.00198 U	0.00187 U	0.00121 U	0.253 U	0.00319 U	0.00198 U	0.00242 U	0.00066 U	ND
SB-5	11	02/08/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-5	18	02/08/07	NA	0.00252 U	0.00238 U	0.00154 U	0.322 U	0.00406 U	0.00252 U	0.00308 U	0.00084 U	ND
SB-5	20	02/08/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-5	24	02/08/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-5	36	02/08/07	NA	0.00234 U	0.00221 U	0.00143 U	0.299 U	0.00377 U	0.00234 U	0.00286 U	0.00078 U	ND
SB-7	3	02/13/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-7	6	02/13/07	NA	0.0021 I	0.0035 I	0.0012 I	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-7	9	02/13/07	NA	1.5	0.29	1.1	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-7	13	02/13/07	NA	0.087	0.038	0.087	0.276 U	0.00348 U	0.00216 U	0.0043 I	0.00072 U	0.0043
SB-7	20	02/13/07	NA	0.018	0.00204 U	0.0036 I	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-7	25	02/13/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-7	30	02/13/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-8	1	02/08/07	NA	0.00216 K	0.021	0.00132 K	1.2	0.00348 K	0.0033 I	0.00264 K	0.00072 K	0.0033
SB-8	3	02/08/07	NA	0.11	0.061	0.0055 K	1.15 K	0.011 I	0.016	0.011 K	0.003 K	0.027
SB-8	5	02/08/07	NA	25	1.1	0.0682 K	14.26 K	0.25	0.1116 K	1.1	0.0372 K	1.35
SB-8	10	02/08/07	NA	0.83	0.01156 K	0.21	1.564 K	0.014	0.01224 K	0.017	0.00408 K	0.031
SB-8	14	02/08/07	NA	0.033	0.00221 U	0.011	0.299 U	0.00377 U	0.00234 U	0.0035 I	0.00078 U	0.0035
SB-8	20	02/08/07	NA	0.00234 U	0.00221 U	0.00143 U	0.299 U	0.00377 U	0.00234 U	0.00286 U	0.00078 U	ND
SB-8	29	02/08/07	NA	0.0026 I	0.00221 U	0.00143 U	0.299 U	0.00377 U	0.00234 U	0.00286 U	0.00078 U	ND
SB-10	1	02/08/07	NA	0.00198 U	0.017	0.0092	0.253 U	0.00319 U	0.00198 U	0.00242 U	0.00066 U	ND
SB-10	3	02/08/07	NA	0.00198 U	0.00187 U	0.00121 U	0.253 U	0.00319 U	0.00198 U	0.00242 U	0.00066	

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	Mirex (mg/kg)	p,p'-DDD (mg/kg)	p,p'-DDE (mg/kg)	p,p'-DDT (mg/kg)	Toxaphene (mg/kg)	α -BHC (mg/kg)	β -BHC (mg/kg)	δ -BHC (mg/kg)	Lindane (mg/kg)	Total BHCs (mg/kg)
SB-11	1	02/09/07	NA	0.00198 U	0.0052 I	0.0073	0.253 U	0.00319 U	0.00198 U	0.00242 U	0.00066 U	ND
SB-11	5	02/09/07	NA	0.0018 U	0.0017 U	0.0011 U	0.23 U	0.0029 U	0.012	0.0022 U	0.0073	0.0193
SB-11	7	02/09/07	NA	0.00234 U	0.00221 U	0.00143 U	0.299 U	0.00377 U	0.034	0.0047 I	0.002 I	0.0407
SB-11	12	02/09/07	NA	0.00234 U	0.00221 U	0.00143 U	0.299 U	0.00377 U	0.055	0.015	0.00078 U	0.07
SB-11	13	02/09/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-11	23	02/09/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-11	27	02/09/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-12	1	02/08/07	NA	0.00198 U	0.11	0.11	0.253 U	0.00319 U	0.023	0.00242 U	0.00066 U	0.023
SB-12	3	02/08/07	NA	0.00198 U	0.00187 U	0.00121 U	14	0.076	0.39	0.079	0.012	0.557
SB-12	5	02/08/07	NA	0.042	0.0017 U	0.0011 U	0.23 U	0.0029 U	0.035	0.0054 I	0.0006 U	0.0404
SB-12	6	02/08/07	NA	0.00216 U	0.00204 U	0.00132 U	0.23 U	0.012	0.14	0.032	0.018	0.202
SB-12	12	02/08/07	NA	0.00234 U	0.00221 U	0.00143 U	0.299 U	0.00377 U	0.068	0.019	0.00078 U	0.087
SB-12	19	02/08/07	NA	0.00216 U	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-12	30	02/08/07	NA	0.0028 I	0.00204 U	0.00132 U	0.276 U	0.00348 U	0.00216 U	0.00264 U	0.00072 U	ND
SB-13	4	02/09/07	NA	7.7	1	0.0242 K	5.06 K	0.0638 K	0.0396 K	0.0484 K	0.0132 K	ND
SB-13	6	02/09/07	NA	1.4	0.65	0.0682 K	14.26 K	0.1798 K	0.1116 K	0.1364 K	0.0372 K	ND
SB-13	7	02/09/07	NA	2.1	0.48	0.0132 K	2.76 K	0.0348 K	0.0216 K	0.0264 K	0.0072 K	ND
SB-13	13	02/09/07	NA	0.0044 I	0.00221 U	0.00143 U	0.299 U	0.00377 U	0.00234 U	0.00286 U	0.00078 U	ND
SB-13	14.2	02/09/07	NA	1.4	0.19	0.19	2.76 K	0.023	0.0216 K	0.046	0.018	0.087
SB-13	22	02/09/07	NA	0.52	0.11	0.085	1.472 K	0.01856 K	0.01152 K	0.0037 I	0.00384 K	0.0037
SB-13	27	02/09/07	NA	0.00234 U	0.00221 U	0.00143 U	0.299 U	0.00377 U	0.00234 U	0.00286 U	0.00078 U	ND
SB-A	0.5	09/14/07	NA	0.0023 U	0.0022 U	0.0014 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00076 U	ND
SB-A	3.5	09/14/07	NA	0.0023 U	0.0022 U	0.0014 U	0.3 U	0.0038 U	0.0023 U	0.0029 U	0.00078 U	ND
SB-A	6	09/14/07	NA	0.0023 U	0.0022 U	0.0014 U	0.3 U	0.0038 U	0.0023 U	0.0029 U	0.00078 U	ND
SB-A	10	09/14/07	NA	0.0023 U	0.0022 U	0.0014 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00076 U	ND
SB-A	11.5	09/14/07	NA	0.0021 U	0.002 U	0.0013 U	0.27 U	0.0035 U	0.0021 U	0.0026 U	0.00071 U	ND
SB-A	14	09/14/07	NA	0.0022 U	0.0021 U	0.0013 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00073 U	ND
SB-A	17	09/14/07	NA	0.0023 U	0.0022 U	0.0014 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00077 U	ND
SB-A	20.5	09/14/07	NA	0.0022 U	0.0021 U	0.0014 U	0.29 U	0.0036 U	0.0022 U	0.0028 U	0.00075 U	ND
SB-A	23	09/14/07	NA	0.0022 U	0.0021 U	0.0014 U	0.29 U	0.0036 U	0.0022 U	0.0028 U	0.00075 U	ND
SB-A	26.5	09/14/07	NA	0.0023 U	0.0022 U	0.0014 U	0.3 U	0.0038 U	0.0023 U	0.0029 U	0.00078 U	ND
SB-A	33	09/14/07	NA	0.0023 U	0.0022 U	0.0014 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00077 U	ND
SB-A	37	09/14/07	NA	0.0022 U	0.0021 U	0.0014 U	0.29 U	0.0036 U	0.0022 U	0.0028 U	0.00075 U	ND
SB-B	0.5	09/14/07	NA	0.0019 U	0.0018 U	0.0012 U	0.24 U	0.0031 U	0.0019 U	0.0023 U	0.00063 U	ND
SB-B	1	09/14/07	NA	0.02 K	0.019 K	0.012 K	2.6 K	0.032 K	0.02 K	0.024 K	0.0067 K	ND
SB-B	5	09/14/07	NA	0.002 U	0.0019 U	0.0012 U	0.26 U	0.0033 U	0.002 U	0.0025 U	0.00067 U	ND
SB-B	7	09/14/07	NA	0.019 K	0.018 K	0.012 K	2.5 K	0.031 K	0.019 K	0.024 K	0.0065 K	ND
SB-B	9	09/14/07	NA	0.0022 U	0.0021 U	0.0014 U	0.29 U	0.0036 U	0.0022 U	0.0028 U	0.00075 U	ND
SB-B	11	09/14/07	NA	0.19	0.028	0.0013 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00072 U	ND
SB-B	13.5	09/14/07	NA	0.17	0.035	0.0014 U	0.28 U	0.0036 U	0.0022 U	0.0027 U	0.00074 U	ND
SB-B	20	09/14/07	NA	0.012	0.0028 I	0.0055	0.28 U	0.0036 U	0.0022 U	0.0027 U	0.00074 U	ND
SB-B	24	09/14/07	NA	0.0022 U	0.0021 U	0.0014 U	0.28 U	0.0036 U	0.0022 U	0.0027 U	0.00074 U	ND
SB-B	27	09/14/07	NA	0.0023 U	0.0022 U	0.0014 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00077 U	ND
SB-B	29	09/14/07	NA	0.0025 U	0.0023 U	0.0015 U	0.32 U	0.004 U	0.0025 U	0.003 U	0.00082 U	ND
SB-B	40	09/14/07	NA	0.0024 U	0.0023 U	0.0015 U	0.31 U	0.0039 U	0.0024 U	0.0029 U	0.0008 U	ND
SB-C	1	09/14/07	NA	35	2.4	1.2	2.5 K	0.12 I	0.02 K	0.62	0.0066 K	0.74
SB-C	4	09/14/07	NA	0.086	0.0018 U	0.0012 U	0.25 U	0.0031 U	0.0019 U	0.0065 I	0.00065 U	0.0065
SB-C	7	09/14/07	NA	0.27	0.0022 U	0.0014 U	0.3 U	0.0038 U	0.0023 U	0.0034 I	0.00078 U	0.0034
SB-C	9	09/14/07	NA	0.51	0.0021 U	0.0014 U	0.28 U	0.0055 I	0.0022 U	0.0027 U	0.00074 U	0.0055
SB-C	11	09/14/07	NA	0.033	0.0021 U	0.0014 U						

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	Mirex (mg/kg)	p,p'-DDD (mg/kg)	p,p'-DDE (mg/kg)	p,p'-DDT (mg/kg)	Toxaphene (mg/kg)	α -BHC (mg/kg)	β -BHC (mg/kg)	δ -BHC (mg/kg)	Lindane (mg/kg)	Total BHCs (mg/kg)
SB-P	8	09/14/07	NA	2	0.23	0.013 K	2.8 K	0.066 I	0.13	0.027 K	0.0072 K	0.196
SB-P	10	09/14/07	NA	0.75	0.033	0.0014 U	0.3 U	0.023	0.0024 U	0.0029 U	0.00079 U	0.023
SB-P	12	09/14/07	NA	0.015	0.0042 I	0.0042 I	0.3 U	0.0038 U	0.0023 U	0.0042 I	0.00078 U	0.0042
SB-P	14	09/14/07	NA	0.0042 I	0.0022 U	0.0014 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00077 U	ND
SB-P	17	09/14/07	NA	0.0022 U	0.0021 U	0.0013 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00073 U	ND
SB-P	19	09/14/07	NA	0.0022 U	0.0021 U	0.0013 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00073 U	ND
SB-P	24	09/14/07	NA	0.0022 U	0.0021 U	0.0013 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00073 U	ND
SB-P	28	09/14/07	NA	0.0023 U	0.0022 U	0.0014 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00076 U	ND
SB-Q	3.5	09/14/07	NA	0.0052 I	0.0024 I	0.014	0.27 U	0.0034 U	0.0022 I	0.0026 U	0.0007 U	0.0022
SB-Q	7	09/14/07	NA	0.21	0.0022 U	0.0014 U	0.29 U	0.044	0.04	0.031	0.00077 U	0.115
SB-Q	9	09/14/07	NA	0.049	0.0022 U	0.0014 U	0.29 U	0.0037 U	0.015	0.022	0.00077 U	0.037
SB-Q	13	09/14/07	NA	0.021	0.0022 U	0.0014 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00076 U	ND
SB-Q	16	09/14/07	NA	0.1	0.0071 I	0.006	0.29 U	0.03	0.027	0.053	0.00077 U	0.11
SB-Q	17	09/14/07	NA	0.063	0.0062 I	0.0013 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00073 U	ND
SB-Q	20.5	09/14/07	NA	0.0022 U	0.0021 U	0.0014 U	0.28 U	0.0036 U	0.0022 U	0.0027 U	0.00074 U	ND
SB-Q	23	09/14/07	NA	0.0021 U	0.002 U	0.0013 U	0.27 U	0.0035 U	0.0021 U	0.0026 U	0.00071 U	ND
SB-Q	25	09/14/07	NA	0.0023 U	0.0022 U	0.0014 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00076 U	ND
SB-Q	30	09/14/07	NA	0.0022 U	0.0021 U	0.0014 U	0.28 U	0.0036 U	0.0022 U	0.0027 U	0.00074 U	ND
SO-14	0.5	03/31/08	0.067 K	1.7	0.018 K	0.0067 K	2.4 K	0.031 K	0.019 K	0.023 K	0.0063 K	ND
SO-14	4.5	03/31/08	0.007 U	0.002 U	0.62	0.0007 U	0.25 U	0.0032 U	0.019	0.0024 U	0.00066 U	0.019
SO-14	7	03/31/08	0.0084 U	0.0024 U	0.0022 U	0.00084 U	0.3 U	0.0038 U	0.0072 I	0.032	0.00079 U	0.0392
SO-14	10	03/31/08	0.0081 U	0.0023 U	0.0022 U	0.00081 U	0.29 U	0.0037 U	0.0023 U	0.0065 I	0.00076 U	0.0065
SO-14	12	03/31/08	0.0078 U	0.0022 U	0.0021 U	0.00078 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00073 U	ND
SO-14	14.5	03/31/08	0.0077 U	0.0022 U	0.002 U	0.00077 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00072 U	ND
SO-15	1	03/31/08	0.0067 U	0.027	0.0018 U	0.00067 U	0.24 U	0.0031 U	0.0019 U	0.0023 U	0.00063 U	ND
SO-15	6	03/31/08	0.0074 U	0.0021 U	0.002 U	0.00074 U	0.26 U	0.0033 U	0.0021 U	0.0025 U	0.00069 U	ND
SO-15	10.5	03/31/08	0.0083 U	0.0023 U	0.0022 U	0.00083 U	0.3 U	0.0038 U	0.0027 I	0.012	0.00078 U	0.0147
SO-15	12	03/31/08	0.008 U	0.0023 I	0.0021 U	0.0008 U	0.29 U	0.0036 U	0.0054 I	0.034	0.00075 U	0.0394
SO-15	14	03/31/08	0.0076 U	0.051	0.0022 I	0.00076 U	0.27 U	0.0035 U	0.0021 U	0.0026 U	0.00071 U	ND
SO-16	2	03/31/08	0.0069 U	0.0019 U	0.14	0.00069 U	1.5	0.0031 U	0.0085	0.0024 U	0.00065 U	0.0085
SO-16	6	03/31/08	0.0068 U	0.0019 U	0.0018 U	0.00068 U	2	0.012 I	0.17	0.046	0.035	0.263
SO-16	11	03/31/08	0.0078 U	0.0022 U	0.0021 U	0.00078 U	0.28 U	0.0035 U	0.092	0.03	0.00073 U	0.122
SO-16	13.5	03/31/08	0.008 U	0.0022 U	0.0021 U	0.0008 U	0.29 U	0.0036 U	0.017	0.0028 U	0.00075 U	0.017
SO-16	14	03/31/08	0.0081 U	0.0023 U	0.0022 U	0.00081 U	0.29 U	0.0071 I	0.16	0.0636	0.017	0.248
SO-17	2	03/31/08	0.068 K	0.019 K	0.25	0.0068 K	6.5 I	0.031 K	0.019 K	0.023 K	0.0064 K	ND
SO-17	4	03/31/08	0.0067 U	0.0019 U	0.0018 U	0.00067 U	3.8	0.0031 U	0.03	0.0023 U	0.047	0.077
SO-17	6	03/31/08	0.0082 U	0.0023 U	0.0022 U	0.00082 U	2.2	0.0037 U	0.011	0.0028 U	0.0078	0.0188
SO-17	9	03/31/08	0.008 U	0.0022 U	0.0021 U	0.0008 U	0.81 I	0.0036 U	0.0055 I	0.0028 U	0.002 I	0.0075
SO-17	11	03/31/08	0.0078 U	0.0022 U	0.0021 U	0.00078 U	0.37 I	0.0035 U	0.019	0.0034 I	0.00073 U	0.0224
SO-17	14	03/31/08	0.0079 U	0.0022 U	0.0021 U	0.00079 U	0.28 U	0.0036 U	0.0022 U	0.0027 U	0.00074 U	ND
SO-18	0.5	03/31/08	0.034 K	0.0095 K	0.031 I	0.04	1.2 K	0.016 K	0.0095 K	0.012 K	0.0032 K	ND
SO-18	2	03/31/08	0.067 K	0.019 K	0.018 K	0.0067 K	57	0.05 I	0.41	0.077 I	0.12	0.657
SO-18	8	03/31/08	0.008 U	0.0022 U	0.0021 U	0.0008 U	2.9	0.0036 U	0.061	0.0084 I	0.0029 I	0.0723
SO-18	12	03/31/08	0.0078 U	0.0022 U	0.0021 U	0.00078 U	0.28 U	0.0037 I	0.047	0.011	0.0062	0.0679
SO-18	15	03/31/08	0.0082 U	0.0023 U	0.0022 U	0.00082 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00077 U	ND
SO-19	1	04/01/08	0.0069 U	0.0019 U	0.13	0.00069 U	0.25 U	0.014	0.68	0.0024 U	0.00065 U	0.694
SO-19	3	04/01/08	0.0084 U	0.0024 U	0.0022 U	0.00084 U	0.3 U	0.0038 U	0.0074 I	0.0029 U	0.0031 I	0.0105
SO-19	6	04/01/08	0.0083 U	0.0023 U	0.0022 U	0.00083 U	0.3 U	0.0038 U	0.028	0.0061 I	0.012	0.0461
SO-19	10	04/01/08	0.0076 U	0.0021 U	0.002 U	0.00076 U	0.27 U	0.0035 U	0.0021 U	0.0026 U	0.00071 U	ND
SO-19	15	04/01/08	0.0078 U	0.0022 U	0.0021 U	0.00078 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00073 U	ND
SO-20	1	03/31/08	0.0069 U	0.0019 U	0.0018 U	0.00069 U	0.25 U					

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	Mirex (mg/kg)	p,p'-DDD (mg/kg)	p,p'-DDE (mg/kg)	p,p'-DDT (mg/kg)	Toxaphene (mg/kg)	α -BHC (mg/kg)	β -BHC (mg/kg)	δ -BHC (mg/kg)	Lindane (mg/kg)	Total BHCs (mg/kg)
SO-21	1	04/01/08	0.0067 U	0.0019 U	0.0018 U	0.00067 U	0.24 U	0.0031 U	0.0019 U	0.0023 U	0.00063 U	ND
SO-21	3	04/01/08	0.0069 U	0.0019 U	0.0018 U	0.00069 U	0.25 U	0.0031 U	0.0019 U	0.0024 U	0.00065 U	ND
SO-21	7	04/01/08	0.0081 U	0.0023 U	0.0022 U	0.00081 U	0.29 U	0.0037 U	0.02	0.0077 I	0.003 I	0.0307
SO-21	10	04/01/08	0.0088 U	0.0025 U	0.0023 U	0.00088 U	0.32 U	0.004 U	0.004 I	0.003 U	0.00082 U	0.004
SO-21	14	04/01/08	0.0082 U	0.0023 U	0.0022 U	0.00082 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00077 U	ND
SO-22	0.5	04/01/08	0.0068 U	0.0019 U	0.0018 U	0.00068 U	0.24 U	0.0031 U	0.0019 U	0.0023 U	0.00064 U	ND
SO-22	3	04/01/08	0.0069 U	0.0019 U	0.016	0.0043	0.25 U	0.0031 U	0.0059 I	0.0024 U	0.00065 U	0.0059
SO-22	7	04/01/08	0.0075 U	0.0021 U	0.002 U	0.00075 U	0.27 U	0.0034 U	0.0021 U	0.0026 U	0.00071 U	ND
SO-22	10	04/01/08	0.0079 U	0.0022 U	0.0021 U	0.00079 U	0.28 U	0.0036 U	0.036	0.0027 U	0.004	0.04
SO-22	15	04/01/08	0.0077 U	0.0022 U	0.002 U	0.00077 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00072 U	ND
SO-23	0.5	04/01/08	0.0068 U	0.0019 U	0.017	0.00068 U	0.24 U	0.0031 U	0.0019 U	0.0023 U	0.00064 U	ND
SO-23	4	04/01/08	0.007 U	0.002 U	0.0018 U	0.0007 U	0.25 U	0.0032 U	0.0027 I	0.0024 U	0.00065 U	0.0027
SO-23	6	04/01/08	0.008 U	0.0022 U	0.0021 U	0.0008 U	0.29 U	0.0036 U	0.036	0.0039 I	0.0044	0.0443
SO-23	8	04/01/08	0.0083 U	0.0023 U	0.0022 U	0.00083 U	0.3 U	0.0038 U	0.0036 I	0.0029 U	0.00078 U	0.0036
SO-23	10	04/01/08	0.0085 U	0.0024 U	0.0023 U	0.00085 U	0.31 U	0.0039 U	0.0024 U	0.0029 U	0.0008 U	ND
SO-23	15	04/01/08	0.0081 U	0.0023 U	0.0022 U	0.00081 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00076 U	ND
SO-24	1	04/01/08	0.0071 U	0.0043 I	0.0019 U	0.00071 U	0.26 U	0.0032 U	0.002 U	0.0024 U	0.00067 U	ND
SO-24	3	04/01/08	0.007 U	0.002 U	0.0019 U	0.0007 U	0.25 U	0.0032 U	0.002 U	0.0024 U	0.00066 U	ND
SO-24	7	04/01/08	0.0074 U	0.0021 U	0.002 U	0.00074 U	0.26 U	0.0033 U	0.0021 U	0.0025 U	0.00069 U	ND
SO-24	11	04/01/08	0.0082 U	0.0023 U	0.0022 U	0.00082 U	0.29 U	0.0037 U	0.0023 U	0.0058 I	0.00077 U	0.0058
SO-24	15	04/01/08	0.0077 U	0.017	0.002 U	0.00077 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00072 U	ND
SO-25	0.5	04/01/08	0.069 K	0.019 K	0.019 I	0.0069 K	2.5 K	0.031 K	0.019 K	0.024 K	0.0065 K	ND
SO-25	3	04/01/08	0.072 K	0.02 K	0.019 K	0.0072 K	2.6 K	0.033 K	0.36	0.025 K	0.0067 K	0.36
SO-25	7	04/01/08	0.0072 U	1.6	0.0019 U	0.00072 U	0.26 U	0.0033 U	0.002 U	0.0025 U	0.15	0.15
SO-25	9	04/01/08	0.0085 U	0.0026 I	0.0023 U	0.00085 U	0.31 U	0.0039 U	0.0024 U	0.0029 U	0.0008 U	ND
SO-25	14	04/01/08	0.0078 U	0.037	0.0021 U	0.00078 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00073 U	ND
SO-26	3	04/01/08	0.07 K	11	0.019 K	0.007 K	2.5 K	0.032 K	0.02 K	0.093 I	0.0066 K	0.093
SO-26	5	04/01/08	0.071 K	23	0.019 K	0.0071 K	2.6 K	0.032 K	0.02 K	0.46	0.0067 K	0.46
SO-26	8	04/01/08	0.0071 U	1.4	0.0019 U	0.00071 U	0.26 U	0.0032 U	0.002 U	0.018	0.00067 U	0.018
SO-26	10	04/01/08	0.0077 U	0.031	0.002 U	0.00077 U	0.28 U	0.0035 U	0.0069 I	0.0099 I	0.00072 U	0.0168
SO-26	12	04/01/08	0.0077 U	0.0022 U	0.002 U	0.00077 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00072 U	ND
SO-27	0.5	04/01/08	0.0069 U	0.011	0.0018 U	0.00069 U	0.25 U	0.0031 U	0.0019 U	0.0024 U	0.00065 U	ND
SO-27	3	04/01/08	0.07 K	0.13	0.019 K	0.12	2.5 K	1.4	0.82	0.16	0.96	3.34
SO-27	8	04/01/08	0.008 U	0.0077 I	0.0021 U	0.0066	0.29 U	0.0036 U	0.0026 I	0.0028 U	0.00075 U	0.0026
SO-27	11	04/01/08	0.0082 U	0.0094	0.0064 I	0.00082 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00077 U	ND
SO-27	12	04/01/08	0.0077 U	0.24	0.096	0.075	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00072 U	ND
SO-28	0.5	04/01/08	0.0069 U	0.0019 U	0.0018 U	0.017	0.25 U	0.0031 U	0.0019 U	0.0024 U	0.00065 U	ND
SO-28	3	04/01/08	0.072 K	0.59	0.019 K	0.1	2.6 K	0.11 I	0.24	0.025 K	0.0067 K	0.35
SO-28	7	04/01/08	0.076 K	4.3	0.02 K	0.0076 K	2.7 K	0.035 K	0.021 K	0.026 K	0.34	0.34
SO-28	10	04/01/08	0.008 U	0.35	0.0021 U	0.1	0.29 U	0.0036 U	0.0022 U	0.0028 U	0.086	0.086
SO-28	13	04/01/08	0.008 U	0.034	0.0021 U	0.0043	0.29 U	0.0036 U	0.0022 U	0.0028 U	0.013	0.013
SO-29	3	04/01/08	0.072 K	11	0.019 K	0.0072 K	2.6 K	0.033 K	0.02 K	0.025 K	1.6	1.6
SO-29	8	04/01/08	0.076 K [0.0084 U]	25 [11]	0.02 K [0.0022 U]	0.0076 K [0.00084 U]	2.7 K [0.3 U]	0.035 K [0.079]	0.021 K [0.0024 U]	0.026 K [0.0029 U]	1.1 [0.56]	1.1 [0.639]
SO-29	10	04/01/08	0.0081 U	0.25	0.0022 U	0.00081 U	0.29 U	0.0037 U	0.0023 U	0.0057 I	0.018	0.0237
SO-29	12	04/01/08	0.0075 U	0.035	0.002 U	0.0044	0.27 U	0.0034 U	0.0021 U	0.0026 U	0.027	0.027
SO-29	15	04/01/08	0.0076 U	0.0024 I	0.002 U	0.00076 U	0.27 U	0.0035 U	0.0021 U	0.0026 U	0.00071 U	ND

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	Mirex (mg/kg)	p,p'-DDD (mg/kg)	p,p'-DDE (mg/kg)	p,p'-DDT (mg/kg)	Toxaphene (mg/kg)	α -BHC (mg/kg)	β -BHC (mg/kg)	δ -BHC (mg/kg)	Lindane (mg/kg)	Total BHCs (mg/kg)
SO-31	8	04/01/08	0.0088 U	1.3	0.0023 U	0.00088 U	0.32 U	0.013 I	0.0025 U	0.003 U	0.086	0.099
SO-31	10	04/01/08	0.0081 U	0.54	0.0022 U	0.095	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.067	0.067
SO-31	14	04/01/08	0.0081 U	0.036	0.0022 U	0.0021 I	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00076 U	ND
SO-32	0.5	04/02/08	0.0074 U [0.0072 U]	0.072 [0.05]	0.002 U [0.0019 U]	0.015 [0.0087]	0.27 U [0.26 U]	0.0045 I [0.0033 U]	0.0047 I [0.0025 I]	0.0026 U [0.0025 U]	0.0007 U [0.00067 U]	0.0092 [0.0025]
SO-32	4	04/02/08	0.0074 U	2	0.11	3.5	0.27 U	0.022	0.061	0.0026 U	0.051	0.134
SO-32	8	04/02/08	0.37 K	9	0.1 K	0.037 K	14 K	0.17 K	0.1 K	0.13 K	0.63	0.63
SO-32	12	04/02/08	0.016 K	0.53	0.0044 K	0.1	0.58 K	0.0074 K	0.0046 K	0.0056 K	0.064	0.064
SO-32	15	04/02/08	0.0078 U	0.023	0.0021 U	0.00078 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00073 U	ND
SO-33	2	04/02/08	0.014 K	1.2	0.0038 K	0.0014 K	0.52 K	0.018 I	0.06 I	0.062	0.053	0.193
SO-33	4	04/02/08	0.077 K	21	0.02 K	0.0077 K	2.8 K	0.035 K	0.022 K	0.73	1.1	1.83
SO-33	7	04/02/08	0.078 K	1.4	0.021 K	0.0078 K	2.8 K	0.035 K	0.022 K	0.027 K	0.083	0.083
SO-33	12	04/02/08	0.0077 U	0.013	0.002 U	0.00077 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00072 U	ND
SO-33	15	04/02/08	0.0076 U	0.0044 I	0.002 U	0.00076 U	0.27 U	0.0035 U	0.0021 U	0.0026 U	0.00071 U	ND
SO-34	1	04/02/08	1.5 K	120	0.4 K	0.15 K	380	49	0.42 K	12	14	75
SO-34	3	04/02/08	0.0067 U	0.02	0.0018 U	0.00067 U	0.24 U	0.0038 I	0.0019 U	0.0023 U	0.00062 U	0.0038
SO-34	5	04/02/08	0.007 U	0.002 U	0.0018 U	0.0007 U	0.25 U	0.0032 U	0.002 U	0.0079 I	0.0031	0.011
SO-34	7	04/02/08	0.0076 U	0.0021 U	0.002 U	0.00076 U	0.27 U	0.0035 U	0.0021 U	0.0026 U	0.028	0.028
SO-34	11	04/02/08	0.0079 U	0.0022 U	0.0021 U	0.00079 U	0.28 U	0.0036 U	0.0022 U	0.0027 U	0.0032	0.0032
SO-35	2	04/02/08	0.72 K	0.2 K	0.19 K	0.072 K	26 K	33	26	0.25 K	0.067 K	59
SO-35	5	04/02/08	0.0071 U	0.039	0.0019 U	0.00071 U	0.56 I	0.0041 I	0.012	0.0039 I	0.0043	0.0243
SO-35	8	04/02/08	0.008 U	0.021	0.0021 U	0.0008 U	0.29 U	0.0036 U	0.0069 I	0.02	0.00075 U	0.0269
SO-35	11	04/02/08	0.0076 U	0.096	0.002 U	0.01	0.27 U	0.0035 U	0.0021 U	0.0036 I	0.017	0.0206
SO-35	15	04/02/08	0.0077 U	0.0062 I	0.002 U	0.00077 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00072 U	ND
SO-36	0.5	04/02/08	0.0067 U	0.0019 U	0.045	0.13	0.24 U	0.003 U	0.0019 U	0.0023 U	0.00062 U	ND
SO-36	3	04/02/08	0.0083 U	0.0023 U	0.0099	0.0083 U	0.3 U	0.0038 U	0.0023 U	0.0029 U	0.00078 U	ND
SO-36	4	04/02/08	0.0067 U	0.0019 U	0.0018 U	0.00067 U	0.24 U	0.003 U	0.0019 U	0.0023 U	0.00062 U	ND
SO-36	5	04/02/08	0.0074 U	0.0021 U	0.002 U	0.00074 U	0.26 U	0.0033 U	0.0021 U	0.0025 U	0.00069 U	ND
SO-36	7	04/02/08	0.0079 U	0.0064 I	0.0021 U	0.00079 U	0.28 U	0.0036 U	0.0022 U	0.0027 U	0.00074 U	ND
SO-36	9	04/02/08	0.0077 U	0.0022 U	0.002 U	0.00077 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00072 U	ND
SO-36	14	04/02/08	0.0077 U	0.0022 U	0.002 U	0.00077 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00072 U	ND
SO-37	1	04/02/08	0.0076 U	0.0021 U	0.086	0.00076 U	0.78 I	0.0035 U	0.0021 U	0.0026 U	0.00071 U	ND
SO-37	3	04/02/08	0.0067 U	0.0019 U	0.0018 U	0.00067 U	0.24 U	0.003 U	0.0019 U	0.0023 U	0.00062 U	ND
SO-37	5	04/02/08	0.008 U	0.0022 U	0.0021 U	0.0008 U	0.29 U	0.0036 U	0.0022 U	0.0028 U	0.00075 U	ND
SO-37	10	04/02/08	0.0078 U	0.0022 U	0.0021 U	0.00078 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00073 U	ND
SO-37	14	04/02/08	0.0079 U	0.0022 U	0.0021 U	0.00079 U	0.28 U	0.0036 U	0.0022 U	0.0027 U	0.00074 U	ND
SO-38	0.5	04/02/08	0.072 K	0.02 K	0.52	0.39	3.7 I	0.033 K	0.02 K	0.025 K	0.0067 K	ND
SO-38	2	04/02/08	0.0067 U	0.0019 U	0.0018 U	0.00067 U	0.24 U	0.0031 U	0.0019 U	0.0023 U	0.00063 U	ND
SO-38	6	04/02/08	0.0079 U	0.0022 U	0.0021 U	0.00079 U	0.28 U	0.0036 U	0.0065 I	0.0067 I	0.00074 U	0.0132
SO-38	9	04/02/08	0.0078 U	0.0022 U	0.0021 U	0.00078 U	0.28 U	0.0035 U	0.0031 I	0.0039 I	0.00073 U	0.007
SO-38	13	04/02/08	0.0078 U	0.0022 U	0.0021 U	0.00078 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00073 U	ND
SO-39	0.5	04/02/08	0.0075 U	0.0021 U	0.024	0.029	0.27 U	0.0034 U	0.0021 U	0.0026 U	0.00071 U	ND
SO-39	5	04/02/08	0.0072 U	0.002 U	0.0019 U	0.00072 U	0.26 U	0.0033 U	0.002 U	0.0025 U	0.00067 U	ND
SO-39	7	04/02/08	0.0083 U	0.0023 U	0.0022 U	0.00083 U	0.3 U	0.0038 U	0.015	0.0086 I	0.0018 I	0.0254
SO-39	10	04/02/08	0.0078 U	0.0022 U	0.0021 U	0.00078 U	0.28 U	0.0035 U	0.0035 I	0.0057 I	0.00073 U	0.0092
SO-39	14	04/02/08	0.008 U	0.0022 U	0.0021 U	0.0008 U	0.29 U	0.0036 U	0.0022 U	0.0064 I	0.00075 U	0.0064
SO-40	0.5	04/02/08	0.0074 U	0.0021 U	0.014	0.00074 U	0.26 U	0.0033 U	0.0021 U	0.0025 U	0.00069 U	ND
SO-40	2	04/02/08	0.0067 U	0.0019 U	0.13	0.038	0.28 I	0.0031 U	0.0044 I	0.0023 U	0.00063 U	0.0044
SO-40	6	04/02/08	0.0082 U	0.0023 U	0.0022 U	0.00082 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00077 U	ND
SO-40	8	04/02/08	0.0097 U	0.0027 U	0.0026 U	0.00097 U	0.35 U	0.0044 U	0.0068 I	0.011 I	0.00091 U	0.0178
SO-40	14	04/02/08	0.0079 U	0.0022 U	0.0021 U	0.00079 U	0.28 U	0.0036 U				

Table 7. Soil data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	Mirex (mg/kg)	p,p'-DDD (mg/kg)	p,p'-DDE (mg/kg)	p,p'-DDT (mg/kg)	Toxaphene (mg/kg)	α -BHC (mg/kg)	β -BHC (mg/kg)	δ -BHC (mg/kg)	Lindane (mg/kg)	Total BHCs (mg/kg)
SO-42	8	04/02/08	0.0082 U	0.0023 U	0.0022 U	0.00082 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00077 U	ND
SO-42	13	04/02/08	0.008 U	0.0023 I	0.0021 U	0.0008 U	0.29 U	0.0036 U	0.0022 U	0.0028 U	0.00075 U	ND
SO-43	3	04/02/08	0.073 K	7.7	0.019 K	0.0073 K	2.6 K	0.033 K	0.02 K	0.025 K	0.77	0.77
SO-43	5	04/02/08	0.067 K	5.3	1.3	0.0067 K	2.4 K	0.03 K	0.019 K	0.023 K	0.3	0.3
SO-43	7	04/02/08	0.0076 U	0.095	0.002 U	0.00076 U	0.27 U	0.0035 U	0.0021 U	0.0026 U	0.00071 U	ND
SO-43	10	04/02/08	0.008 U	0.0077 I	0.01	0.0008 U	0.29 U	0.0036 U	0.0022 U	0.0028 U	0.00075 U	ND
SO-43	13	04/02/08	0.008 U	0.074	0.0021 U	0.0008 U	0.29 U	0.0036 U	0.0022 U	0.0028 U	0.00075 U	ND
SO-44	3	04/03/08	0.072 K [0.07 K]	15 [20]	0.019 K [0.019 K]	0.0072 K [0.007 K]	2.6 K [2.5 K]	0.033 K [0.032 K]	0.02 K [0.02 K]	0.025 K [0.024 K]	1.9 [2.3]	1.9 [2.3]
SO-44	5	04/03/08	0.0068 U	13	0.0018 U	0.00068 U	0.24 U	0.0031 U	0.0019 U	0.0023 U	2	2
SO-44	7	04/03/08	0.0073 U	0.25	0.0019 U	0.00073 U	0.26 U	0.0033 U	0.002 U	0.028	0.046	0.074
SO-44	9	04/03/08	0.0081 U	0.014	0.0022 U	0.00081 U	0.29 U	0.0037 U	0.0023 U	0.006 I	0.00076 U	0.006
SO-44	11	04/03/08	0.0078 U	0.031	0.0021 U	0.00078 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00073 U	ND
SO-44	13	04/03/08	0.0081 U	0.025	0.0022 U	0.00081 U	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.00076 U	ND
SO-45	3	04/03/08	0.074 K	9.1	0.02 K	0.0074 K	2.7 K	0.034 K	0.021 K	0.026 K	1.2	1.2
SO-45	6	04/03/08	0.0082 U	0.31	0.0022 U	0.012	0.29 U	0.0037 U	0.0023 U	0.04	0.076	0.116
SO-45	8	04/03/08	0.008 U	0.26	0.0021 U	0.043	0.29 U	0.0036 U	0.0022 U	0.01 I	0.037	0.047
SO-45	10	04/03/08	0.075 K	1.2	0.02 K	0.32	2.7 K	0.034 K	0.021 K	0.026 K	0.11	0.11
SO-45	15	04/03/08	0.008 U	0.02	0.0076 I	0.0008 U	0.29 U	0.0036 U	0.0022 U	0.0028 U	0.00075 U	ND
SO-46	3	04/03/08	0.072 K	0.02 K	0.019 K	0.0072 K	2.6 K	0.033 K	0.02 K	0.025 K	0.0067 K	ND
SO-46	5	04/03/08	0.008 U	0.019	0.0021 U	0.0008 U	0.29 U	0.0036 U	0.0022 U	0.0028 U	0.0024 I	0.0024
SO-46	8	04/03/08	0.0079 U	2.8	0.71	0.00079 U	0.28 U	0.0036 U	0.0022 U	0.0027 U	0.12	0.12
SO-46	11	04/03/08	0.0078 U	0.099	0.0021 U	0.00078 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.016	0.016
SO-46	14	04/03/08	0.0083 U	0.014	0.0022 U	0.00083 U	0.3 U	0.0038 U	0.0023 U	0.0029 U	0.00078 U	ND
SO-47	2	04/03/08	0.07 K	4.6	0.018 K	0.99	2.5 K	0.032 K	0.02 K	0.024 K	0.0065 K	ND
SO-47	4	04/03/08	0.008 U	20	0.0021 U	0.0008 U	0.29 U	0.0036 U	0.0022 U	0.76	2	2.76
SO-47	6	04/03/08	0.0083 U	2.7	0.0022 U	0.00083 U	0.3 U	0.0038 U	0.0023 U	0.12	0.00078 U	0.12
SO-47	8	04/03/08	0.0083 U	1.3	0.0022 U	0.00083 U	0.3 U	0.0038 U	0.0023 U	0.0029 U	0.00078 U	ND
SO-47	17	04/03/08	0.0079 U	0.0022 U	0.0021 U	0.00079 U	0.28 U	0.0036 U	0.0022 U	0.0027 U	0.00074 U	ND
SO-48	2	04/03/08	0.069 K	1.9	0.018 K	0.0069 K	2.5 K	0.031 K	0.019 K	0.024 K	0.0065 K	ND
SO-48	6	04/03/08	0.0081 U	0.0023 U	0.0022 U	0.00081 U	0.29 U	0.0085 I	0.0023 U	0.0028 U	0.00076 U	0.0085
SO-48	8.5	04/03/08	0.0081 U	2.1	0.0022 U	0.29	0.29 U	0.0037 U	0.0023 U	0.0028 U	0.18	0.18
SO-48	12	04/03/08	0.0079 U [0.0076 U]	0.88 [1.3]	0.0021 U [0.002 U]	0.31 [45]	0.28 U [0.27 U]	0.0036 U [0.0035 U]	0.0022 U [0.0021 U]	0.0027 U [0.0026 U]	0.00074 U [0.00071 U]	ND [ND]
SO-48	14	04/03/08	0.0075 U [0.0077 U]	0.0021 U [0.0022 U]	0.002 U [0.002 U]	0.00075 U [0.00077 U]	0.27 U [0.28 U]	0.0034 U [0.0035 U]	0.0021 U [0.0022 U]	0.0026 U [0.0027 U]	0.00071 U [0.00072 U]	ND [ND]
SO-49	0.5	04/03/08	0.0067 U	0.0019 U	0.0018 U	0.00067 U	0.24 U	0.003 U	0.0019 U	0.0023 U	0.00062 U	ND
SO-49	5	04/03/08	0.0067 U [0.0067 U]	0.0031 I [0.0019 U]	0.0018 U [0.0018 U]	0.00067 U [0.00067 U]	0.24 U [0.24 U]	0.003 U [0.003 U]	0.0019 U [0.0019 U]	0.0023 U [0.0023 U]	0.00062 U [0.00062 U]	ND [ND]
SO-49	7	04/03/08	0.0075 U	0.069	0.002 U	0.00075 U	0.27 U	0.0034 U	0.0021 U	0.0026 U	0.00071 U	ND
SO-49	9	04/03/08	0.0077 U [0.0078 U]	0.093 [0.11]	0.002 U [0.0021 U]	0.00077 U [0.00078 U]	0.28 U [0.28 U]	0.0035 U [0.0035 U]	0.0022 U [0.0022 U]	0.0027 U [0.0027 U]	0.00072 U [0.00073 U]	ND [ND]
SO-49	14	04/03/08	0.0078 U	0.0063 I	0.0021 U	0.00078 U	0.28 U	0.0035 U	0.0022 U	0.0027 U	0.00073 U	ND
SO-58	1	03/31/08	0.0072 U	0.002 U	0.0019 U	0.00072 U	5.9	0.0033 U	0.016	0.0025 U	0.00067 U	0.016
SO-58	3.5	03/31/08	0.0074 U	0.028	0.093	0.00074 U	0.26 U	0.0033 U	0.0023 I	0.0025 U	0.00069 U	0.0023
SO-58	6	03/31/08	0.0084 U	0.24	0.015	0.00084 U	0.3 U	0.01 I	0.027	0.13	0.00079 U	0.167
SO-58	9	03/31/08	0.0083 U	1.6	0.084	0.00083 U	0.3 U	0.0038 U	0.014	0.025	0.00078 U	0.039
SO-58	12	03/31/08	0.0077 U	2.9	0.2	0.00077 U	0.28 U	0.017	0.0085 I	0.028	0.076	0.13

I = Reported value is between the laboratory method detection limit and laboratory practical quantitation limit.

K = Indicates the constituent was not detected at the PQL. The value preceding the K indicates the PQL.

ND = Not detected.

U = Indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

Notes:

(1) Duplicate samples are indicated by [concentration].

Table 8. Groundwater data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane ($\mu\text{g/L}$)	Chlordane ($\mu\text{g/L}$)	γ -Chlordane ($\mu\text{g/L}$)	p,p'-DDD ($\mu\text{g/L}$)	α -BHC ($\mu\text{g/L}$)	β -BHC ($\mu\text{g/L}$)	δ -BHC ($\mu\text{g/L}$)	Lindane ($\mu\text{g/L}$)	Total BHCs ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	Arsenic ($\mu\text{g/L}$)	Chromium ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)
Cleanup Goal			2	--	2	0.1	0.05	0.1	--	0.2	--	1	700	10,000	--	100	15
MW-1D	03/17/03	0.1 U [0.1 U]	NA	0.1 U [0.1 U]	0.05 U [0.05 U]	0.24 [0.28]	0.36 [0.38]	0.36 [0.35]	0.05 U [0.05 U]	0.96 [1.01]	1.2 [1]	22 [23]	99 [100]	NA	NA	NA	NA
MW-1D	10/03/03	0.2 K [0.2 K]	NA	0.2 K [0.2 K]	0.1 K [0.1 K]	0.33 [0.33]	0.54 [0.59]	0.6 [0.61]	0.1 K [0.1 K]	1.47 [1.53]	1.6 [0.9 U]	40 [16]	160 [66]	NA	NA	NA	NA
MW-1D	04/08/04	0.5 K [0.5 K]	NA	0.5 K [0.5 K]	0.25 K [0.25 K]	0.28 [0.32]	0.45 [0.49]	0.37 [0.38]	0.25 K [0.25 K]	1.1 [1.19]	2.3 [2.3]	8 [7.7]	210 [200]	NA	NA	NA	NA
MW-1D	10/18/04	0.1 U [0.2 K]	NA	0.1 U [0.2 K]	0.05 U [0.1 K]	0.14 [0.2]	0.36 [0.4]	0.17 [0.2]	0.05 U [0.1 K]	0.67 [0.8]	0.9	13	37	NA	NA	NA	NA
MW-1D	06/02/05	0.1 U	NA	0.1 U	0.05 U	0.031	0.27	0.08	0.05 U	0.381	0.9 U	1	2.2 U	NA	NA	NA	NA
MW-1D	12/16/05	0.1 U [0.1 U]	NA	0.1 U [0.1 U]	0.05 U [0.05 U]	0.005 U [0.005 U]	0.075 [0.077]	0.036 [0.036]	0.05 U [0.05 U]	0.111 [0.113]	0.9 U [0.9 U]	0.9 U [0.9 U]	2.2 U [2.2 U]	NA	NA	NA	NA
MW-1D	03/28/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-1D	04/26/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03	0.05 U	0.03	NA	NA	NA	NA	NA	NA	NA
MW-1D	05/24/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-1D	06/28/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.05	0.03 U	0.05 U	0.05	NA	NA	NA	NA	NA	NA	NA
MW-1D	07/26/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.0041 I	0.0041	NA	NA	NA	NA	NA	NA	NA
MW-1D	09/06/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-1D	10/03/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-1D	11/01/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	0.1 U	0.2 U	0.4 U	NA	NA	NA	NA
MW-1D	02/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-1D	04/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	0.1 U	0.2 U	0.4 U	NA	NA	NA	NA
MW-1D	08/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0054 I	0.037	0.0023 U	0.004 I	0.0464	NA	NA	NA	NA	NA	NA	NA
MW-1D	11/02/07	0.0019 U	NA	0.0021 U	0.0016 U	0.018	0.003 U	0.065	0.0024 U	0.083	0.28 I	0.51 I	0.66 I	NA	NA	NA	NA
MW-1D	01/10/08	0.0019 U	NA	0.0021 U	0.0016 U	0.12	0.26	0.76	0.0024 U	1.14	NA	NA	NA	NA	NA	NA	NA
MW-1D	04/08/08	0.0019 U	NA	0.0021 U	0.0016 U	0.16	0.2	0.0023 U	0.0024 U	0.36	NA	NA	NA	NA	NA	NA	NA
MW-1D	07/10/08	0.0019 U	NA	0.0021 U	0.0016 U	0.41	0.22	0.91	0.0024 U	1.54	NA	NA	NA	NA	NA	NA	NA
MW-1S	03/17/03	0.1 U	NA	0.1 U	0.05 U	0.015	0.1	0.069	0.05 U	0.184	NA	NA	NA	NA	NA	NA	NA
MW-1S	10/03/03	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.08	0.09	0.05 U	0.17	NA	NA	NA	NA	NA	NA	NA
MW-1S	04/08/04	0.1 U	NA	0.1 U	0.05 U	0.16	0.72	0.48	0.05 U	1.36	NA	NA	NA	NA	NA	NA	NA
MW-1S	10/18/04	0.2 K	NA	0.2 K	0.1 K	0.01 K	0.1	0.04	0.1 K	0.14	NA	NA	NA	NA	NA	NA	NA
MW-1S	06/02/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.07	0.03 U	0.05 U	0.07	NA	NA	NA	NA	NA	NA	NA
MW-1S	12/16/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-1S	03/28/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-1S	04/26/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.019 I	0.008 I	0.027	NA	NA	NA	NA	NA	NA	NA
MW-1S	05/24/06	0.1 U	NA	0.1 U	0.05 U	0.005	0.01 U	0.016 I	0.05 U	0.021	NA	NA	NA	NA	NA	NA	NA
MW-1S	06/28/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.013 I	0.05 U	0.013	NA	NA	NA	NA	NA	NA	NA
MW-1S	07/26/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.0097 I	0.05 U	0.0097	NA	NA	NA	NA	NA	NA	NA
MW-1S	09/06/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.02	0.0024 U	0.02	NA	NA	NA	NA	NA	NA	NA
MW-1S	10/03/06	0.0038 K	NA	0.0042 K	0.0032 K	0.0046 K	0.034	0.016	0.0048 K	0.05	NA	NA	NA	NA	NA	NA	NA
MW-1S	11/01/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.013	0.0085 I	0.0024 U	0.0215	NA	NA	NA	NA	NA	NA	NA
MW-1S	02/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.025	0.0023 U	0.0024 U	0.025	NA	NA	NA	NA	NA	NA	NA
MW-1S	04/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.033	0.0023 U	0.0033 I	0.0363	NA	NA	NA	NA	NA	NA	NA
MW-1S	08/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.045	0.019	0.0043 I	0.0683	NA	NA	NA	NA	NA	NA	NA
MW-1S	11/02/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.052	0.021	0.0024 U	0.073	NA	NA	NA	NA	NA	NA	NA
MW-1S	01/10/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0072 I	0.054	0.064	0.0092 I	0.134	NA	NA	NA	NA	NA	NA	NA
MW-2D	04/08/04	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-2D	10/18/04	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.19	0.03 U	0.05 U	0.19	NA	NA	NA	NA	NA	NA	NA
MW-2D	06/02/05	0.1 U	NA	0.1 U	0.05 U	0.014	0.01 U	0.03 U	0.05 U	0.014	NA	NA	NA	NA	NA	NA	NA
MW-2D	12/16/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.17	0.17	NA	NA	NA	NA	NA	NA	NA
MW-2D	11/01/06	0.0019 U	NA	0.0021 U	0.0016 U	0.056	0.039	0.0023 U	0.0024 U	0.095	NA	NA	NA	NA	NA	NA	NA
MW-2D	11/02/07	0.0019 U	NA	0.0021 U	0.0016 U	0.26	0.003 U	0.41	1.1	1.77	NA	NA	NA	NA	NA	NA	NA
MW-2D	12/05/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.98	0.98	NA	NA	NA	NA	NA	NA	NA
MW-2S	04/08/04	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-2S	10/18/04	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-2S	06/02/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-2S	12/16/05	0.1 U	NA														

Table 8. Groundwater data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane ($\mu\text{g/L}$)	Chlordane ($\mu\text{g/L}$)	γ -Chlordane ($\mu\text{g/L}$)	p,p'-DDD ($\mu\text{g/L}$)	α -BHC ($\mu\text{g/L}$)	β -BHC ($\mu\text{g/L}$)	δ -BHC ($\mu\text{g/L}$)	Lindane ($\mu\text{g/L}$)	Total BHCs ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	Arsenic ($\mu\text{g/L}$)	Chromium ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)
Cleanup Goal			2	--	2	0.1	0.05	0.1	--	0.2	--	1	700	10,000	--	100	15
MW-3D		12/20/05	0.1 U	NA	0.1 U	0.05 U	0.014	0.01 U	0.03 U	0.05 U	0.014	NA	NA	NA	NA	NA	NA
MW-3D		04/25/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.056	0.03 U	0.05 U	0.056	NA	NA	NA	NA	NA	NA
MW-3D		11/02/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.011 I	0.0023 U	0.0024 U	0.011	NA	NA	NA	NA	NA	NA
MW-3D		11/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.011	0.02	0.0023 U	0.0024 U	0.031	NA	NA	NA	NA	NA	NA
MW-3S		04/09/04	0.1 U	NA	0.1 U	0.05 U	0.12	0.01 U	0.061	0.05 U	0.181	NA	NA	NA	NA	NA	NA
MW-3S		10/19/04	0.1 U	NA	0.1 U	0.05 U	0.09	0.01 U	0.03 U	0.05 U	0.09	NA	NA	NA	NA	NA	NA
MW-3S		06/03/05	0.1 U [0.1 U]	NA	0.1 U [0.1 U]	0.05 U [0.05 U]	0.005 U [0.17]	0.01 U [0.01 U]	0.03 U [0.03 U]	0.05 U [0.05 U]	ND [0.17]	NA	NA	NA	NA	NA	NA
MW-3S		12/20/05	0.1 U	NA	0.1 U	0.05 U	0.25	0.01 U	0.17	0.05 U	0.42	NA	NA	NA	NA	NA	NA
MW-3S		04/25/06	0.1 U [0.1 U]	NA	0.1 U [0.1 U]	0.05 U [0.05 U]	0.25 [0.25]	0.01 U [0.01 U]	0.12 [0.1]	0.05 U [0.05 U]	0.37 [0.35]	NA	NA	NA	NA	NA	NA
MW-3S		05/24/06	0.1 U [0.1 U]	NA	0.1 U [0.1 U]	0.05 U [0.05 U]	0.16 [0.13]	0.35 [0.25]	0.039 [0.032]	0.05 U [0.05 U]	0.549 [0.412]	NA	NA	NA	NA	NA	NA
MW-3S		06/28/06	0.1 U	NA	0.1 U	0.05 U	0.14	0.19	0.05	0.05 U	0.38	NA	NA	NA	NA	NA	NA
MW-3S		07/26/06	0.1 U [0.1 U]	NA	0.1 U [0.1 U]	0.05 U [0.05 U]	0.13 [0.18]	0.067 [0.086]	0.065 [0.087]	0.05 U [0.05 U]	0.262 [0.353]	NA	NA	NA	NA	NA	NA
MW-3S		09/06/06	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.17 [0.17]	0.11 [0.13]	0.11 [0.096]	0.0024 U [0.0024 U]	0.39 [0.396]	NA	NA	NA	NA	NA	NA
MW-3S		10/02/06	0.038 K	NA	0.042 K	0.032 K	0.45	0.096	0.24	0.048 K	0.786	NA	NA	NA	NA	NA	NA
MW-3S		11/02/06	0.019 K	NA	0.021 K	0.016 K	0.21	0.03 K	0.14	0.024 K	0.35	NA	NA	NA	NA	NA	NA
MW-3S		04/22/07	0.019 K	NA	0.021 K	0.016 K	0.21	0.34	0.023 K	0.024 K	0.55	NA	NA	NA	NA	NA	NA
MW-3S		11/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.22	0.24	0.0023 U	0.0024 U	0.46	NA	NA	NA	NA	NA	NA
MW-4D		04/09/04	1 K	NA	1 K	0.5 K	0.63	0.7	1.3	0.5 K	2.63	NA	NA	NA	NA	NA	NA
MW-4D		10/19/04	0.5 K	NA	0.5 K	0.25 K	0.39	0.68	1.4	0.25 K	2.47	NA	NA	NA	NA	NA	NA
MW-4D		06/06/05	0.5 K	NA	0.5 K	0.25 K	0.11	0.38	0.27	0.25 K	0.76	NA	NA	NA	NA	NA	NA
MW-4D		12/21/05	0.1 U	NA	0.1 U	0.05 U	0.36	0.1 K	0.93	0.5 K	1.29	1.5	11	8	NA	NA	NA
MW-4D		04/26/06	0.1 U	NA	0.1 U	0.05 U	0.18	0.01 U	0.52	0.05 U	0.7	NA	NA	NA	NA	NA	NA
MW-4D		11/02/06	0.038 K	NA	0.042 K	0.032 K	0.23	0.25	0.76	0.048 K	1.24	NA	NA	NA	NA	NA	NA
MW-4D		11/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.42	0.45	1.2	0.0024 U	2.07	NA	NA	NA	NA	NA	NA
MW-4S		04/09/04	5 K	NA	5 K	2.5 K	4.4	6.7	5.9	2.5 K	17	NA	NA	NA	NA	NA	NA
MW-4S		10/19/04	1 K	NA	1 K	0.5 K	2.2	6.7	4	0.5 K	12.9	NA	NA	NA	NA	NA	NA
MW-4S		06/06/05	2.5 K	NA	2.5 K	1.25 K	2.3	12	6.5	1.25 K	20.8	NA	NA	NA	NA	NA	NA
MW-4S		12/21/05	0.1 U	NA	0.1 U	0.05 U	3	7	6.2	0.5 K	16.2	2.1	0.9 U	2.2 U	NA	NA	NA
MW-4S		04/26/06	1 K	NA	1 K	0.5 K	1.7	2.2	4.5	0.5 K	8.4	NA	NA	NA	NA	NA	NA
MW-4S		05/24/06	2.5 K	NA	2.5 K	1.25 K	3.2	5.9	15	0.14	24.2	NA	NA	NA	NA	NA	NA
MW-4S		06/27/06	2.5 K	NA	2.5 K	1.25 K	1.5	3.4	6.5	1.25 K	11.4	NA	NA	NA	NA	NA	NA
MW-4S		07/27/06	2 K	NA	2 K	1 K	1.1	4.6	4.4	1 K	10.1	NA	NA	NA	NA	NA	NA
MW-4S		09/06/06	0.038 K	NA	0.042 K	0.032 K	0.77	4.6	3.6	0.048 K	8.97	NA	NA	NA	NA	NA	NA
MW-4S		10/03/06	0.038 K	NA	0.042 K	0.032 K	0.69	4.8	3.8	0.048 K	9.29	NA	NA	NA	NA	NA	NA
MW-4S		11/02/06	0.038 K	NA	0.042 K	0.032 K	1.2	4.2	4.5	0.048 K	9.9	NA	NA	NA	NA	NA	NA
MW-4S		04/22/07	0.095 K	NA	0.105 K	0.08 K	3	6.2	11	0.12 K	20.2	NA	NA	NA	NA	NA	NA
MW-4S		11/01/07	0.0019 U	NA	0.0021 U	0.0016 U	1.3	5.7	5.1	0.0024 U	12.1	NA	NA	NA	NA	NA	NA
MW-5D		04/07/04	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA
MW-5D		10/18/04	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA
MW-5D		06/02/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA
MW-5D		12/16/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA
MW-5D		04/26/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA			

Table 8. Groundwater data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane ($\mu\text{g/L}$)	Chlordane ($\mu\text{g/L}$)	γ -Chlordane ($\mu\text{g/L}$)	p,p'-DDD ($\mu\text{g/L}$)	α -BHC ($\mu\text{g/L}$)	β -BHC ($\mu\text{g/L}$)	δ -BHC ($\mu\text{g/L}$)	Lindane ($\mu\text{g/L}$)	Total BHCs ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	Arsenic ($\mu\text{g/L}$)	Chromium ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)
Cleanup Goal			2	--	2	0.1	0.05	0.1	--	0.2	--	1	700	10,000	--	100	15
MW-7D	06/02/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-7D	12/20/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-7D	04/25/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-7S	06/02/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-7S	12/20/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-7S	04/25/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-8D	04/08/04	0.1 U [0.1 U]	NA	0.1 U [0.1 U]	0.05 U [0.05 U]	0.005 U [0.005 U]	0.01 U [0.01 U]	0.03 U [0.03 U]	0.05 U [0.05 U]	ND [ND]	NA	NA	NA	NA	NA	NA	NA
MW-8D	10/18/04	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-8D	06/02/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.02	0.03 U	0.05 U	0.02	NA	NA	NA	NA	NA	NA	NA
MW-8D	12/20/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-8D	04/25/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-8D	11/02/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-8S	04/08/04	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-8S	10/18/04	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-8S	06/02/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-8S	12/20/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-8S	04/25/06	0.1 U	NA	0.1 U	0.017 I	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-8S	11/02/06	0.0093	NA	0.011	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-9D	04/08/04	0.1 U	NA	0.1 U	0.09	0.01	0.01 U	0.04	0.05 U	0.05	NA	NA	NA	NA	NA	NA	NA
MW-9D	10/19/04	0.1 U	NA	0.1 U	0.43	0.02	0.07	0.06	0.05 U	0.15	NA	NA	NA	NA	NA	NA	NA
MW-9D	06/03/05	0.1 U	NA	0.1 U	0.25	0.005 U	0.01 U	0.023	0.05 U	0.023	NA	NA	NA	NA	NA	NA	NA
MW-9D	12/20/05	0.1 U	NA	0.1 U	0.05 U	0.07	0.01 U	0.13	0.05 U	0.2	NA	NA	NA	NA	NA	NA	NA
MW-9D	04/25/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-9D	11/02/06	0.0019 U	NA	0.0021 U	0.32	0.0023 U	0.003 U	0.1	0.0024 U	0.1	NA	NA	NA	NA	NA	NA	NA
MW-10D	04/08/04	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-10D	10/19/04	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-10D	06/03/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-10D	12/20/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.02	0.03 U	0.05 U	0.02	NA	NA	NA	NA	NA	NA	NA
MW-10D	04/25/06	0.1 U [0.1 U]	NA	0.1 U [0.1 U]	0.05 U [0.05 U]	0.005 U [0.005 U]	0.01 U [0.01 U]	0.03 U [0.03 U]	0.05 U [0.024 I]	0.05 [0.024]	NA	NA	NA	NA	NA	NA	NA
MW-10D	11/01/06	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.0023 U [0.0023 U]	0.003 U [0.003 U]	0.0023 U [0.0023 U]	0.0024 U [0.0024 U]	0.0024 U [0.0024]	ND [ND]	NA	NA	NA	NA	NA	NA
MW-10D	07/31/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-10D	11/01/07	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.0023 U [0.0023 U]	0.003 U [0.003 U]	0.0023 U [0.0023 U]	0.0024 U [0.0024 U]	0.0024 U [0.0024]	ND [ND]	NA	NA	NA	NA	NA	NA
MW-10S	04/08/04	1 K	NA	1 K	0.5 K	0.53	13	2.5	0.22	16.3	NA	NA	NA	NA	NA	NA	NA
MW-10S	10/19/04	2.5 K	NA	2.5 K	1.25 K	0.32	17	2.3	1.25 K	19.6	NA	NA	NA	NA	NA	NA	NA
MW-10S	06/03/05	0.5 K	NA	0.5 K	0.25 K	0.46	12	1.9	0.13	14.5	NA	NA	NA	NA	NA	NA	NA
MW-10S	12/20/05	0.1 U [0.1 U]	NA	0.1 U [0.1 U]	0.05 U [0.05 U]	1.4 [1.1]	7.8 [5.5]	2.1 [1.6]	0.38 [0.33]	11.7 [8.53]	NA	NA	NA	NA	NA	NA	NA
MW-10S	04/25/06	1 K	NA	1 K	0.5 K	0.83	3.2	1.1	0.22	5.35	NA	NA	NA	NA	NA	NA	NA
MW-10S	11/01/06	0.038 K	NA	0.042 K	0.032 K	0.58	3.6	1.2	0.16	5.54	NA	NA	NA	NA	NA	NA	NA
MW-10S	07/31/07	0.038 K	NA	0.042 K	0.032 K	0.95	4.9	1.7	0.45	8	NA	NA	NA	NA	NA	NA	NA
MW-10S	11/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.98	6.4	1.9	0.49	9.77	NA	NA	NA	NA	NA	NA	NA
MW-11S	05/06/04	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA	NA
MW-11S	07/09/04	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05								

Table 8. Groundwater data collected since the last five-year review.

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Location ID	Depth (feet)	Date Collected	α -Chlordane ($\mu\text{g/L}$)	Chlordane ($\mu\text{g/L}$)	γ -Chlordane ($\mu\text{g/L}$)	p,p'-DDD ($\mu\text{g/L}$)	α -BHC ($\mu\text{g/L}$)	β -BHC ($\mu\text{g/L}$)	δ -BHC ($\mu\text{g/L}$)	Lindane ($\mu\text{g/L}$)	Total BHCs ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	Arsenic ($\mu\text{g/L}$)	Chromium ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)
Cleanup Goal			2	--	2	0.1	0.05	0.1	--	0.2	--	1	700	10,000	--	100	15
MW-15S		11/28/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-15S		12/17/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-15S		02/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0089 I	0.0024 U	0.0089	NA	NA	NA	NA	NA	NA
MW-15S		03/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.0039 I	0.0053 I	0.0024 U	0.0092	NA	NA	NA	NA	NA	NA
MW-15S		03/25/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0014 J	0.0053 I	0.0053 I	0.0024 U	0.012 J	NA	NA	NA	NA	NA	NA
MW-15S		04/21/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.0065 I	0.0023 U	0.0024 U	0.0065	NA	NA	NA	NA	NA	NA
MW-15S		05/20/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.011 I	0.012	0.0024 U	0.023	NA	NA	NA	NA	NA	NA
MW-15S		06/25/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-15S		07/30/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.13	0.0023 U	0.0024 U	0.13	NA	NA	NA	NA	NA	NA
MW-15S		08/23/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.13	0.0023 U	0.0024 U	0.13	NA	NA	NA	NA	NA	NA
MW-15S		09/30/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-15S		10/28/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.053	0.0023 U	0.0024 U	0.053	NA	NA	NA	NA	NA	NA
MW-15S		11/27/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-15S		01/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-15S		02/12/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-15S		03/05/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-15S		04/07/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-15S		05/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-15S		06/05/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-15S		07/09/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-15S		08/07/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	NA	NA	NA	NA	NA	NA	NA
MW-16D		04/07/04	0.1 U	NA	0.1 U	0.05 U	0.04	5.1	0.08	0.05 U	5.22	NA	NA	NA	NA	NA	NA
MW-16D		10/19/04	2.5 K	NA	2.5 K	1.25 K	0.57	12	2.9	0.4	15.9	NA	NA	NA	NA	NA	NA
MW-16D		06/06/05	2.5 K	NA	2.5 K	1.25 K	0.22	8.4	1.2	0.11	9.93	NA	NA	NA	NA	NA	NA
MW-16D		12/21/05	0.1 U	NA	0.1 U	0.05 U	0.21	3.8	0.57	0.083	4.66	2	0.9 U	2.2 U	NA	NA	NA
MW-16D		03/28/06	0.1 U	NA	0.1 U	0.05 U	0.059	1.2	0.16	0.05 U	1.42	NA	NA	NA	NA	NA	NA
MW-16D		04/26/06	0.1 U [0.1 U]	NA	0.1 U [0.1 U]	0.05 U [0.05 U]	0.022 [0.025]	0.01 U [0.01 U]	0.021 I [0.02 I]	0.05 U [0.05 U]	0.042 [0.045]	NA	NA	NA	NA	NA	NA
MW-16D		05/24/06	0.1 U	NA	0.1 U	0.05 U	0.009	0.046	0.038	0.05 U	0.093	NA	NA	NA	NA	NA	NA
MW-16D		06/28/06	0.1 U	NA	0.1 U	0.05 U	0.021	0.53	0.069	0.05 U	0.62	NA	NA	NA	NA	NA	NA
MW-16D		07/27/06	2 K	NA	2 K	1 K	0.14	4.5	1	0.077	5.72	NA	NA	NA	NA	NA	NA
MW-16D		09/06/06	0.066	NA	0.021 K	0.016 K	0.19	4.9	1.1	0.024 K	6.19	NA	NA	NA	NA	NA	NA
MW-16D		10/02/06	0.038 K [0.038 K]	NA	0.042 K [0.042 K]	0.032 K [0.032 K]	0.26 [0.24]	6.3 [6.5]	1.3 [1.3]	0.059 [0.054]	7.92 [8.09]	NA	NA	NA	NA	NA	NA
MW-16D		11/02/06	0.0095 K	NA	0.0105 K	0.008 K	0.056	2.5	0.48	0.029	3.07	NA	NA	NA	NA	NA	NA
MW-16D		11/28/06	0.0019 U	NA	0.0021 U	0.0016 U	0.044	0.63	0.12	0.0024 U	0.794	NA	NA	NA	NA	NA	NA
MW-16D		12/18/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0064 I	0.11	0.019	0.0024 U	0.135	NA	NA	NA	NA	NA	NA
MW-16D		02/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.28	2.8	0.68	0.0024 U	3.76	NA	NA	NA	NA	NA	NA
MW-16D		03/01/07	0.038 K	NA	0.042 K	0.032 K	0.14	2.4	0.56	0.048 K	3.1	NA	NA	NA	NA	NA	NA
MW-16D		04/22/07	0.019 K [0.019 K]	NA	0.021 K [0.021 K]	0.016 K [0.016 K]	0.043 [0.049]	0.93 [0.9]	0.24 [0.33]	0.024 K [0.024 K]	1.21 [1.28]	NA	NA	NA	NA	NA	NA
MW-16D		05/18/07	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.032 [0.031]	1 [0.87]	0.0023 U [0.0023 U]	0.0024 U [0.0024 U]	1.03 [0.901]	NA	NA	NA	NA	NA	NA
MW-16D		06/26/07	0.0019 U	NA	0.0021 U	0.0016 U	0.014	0.26	0.0023 U	0.0024 U	0.274	NA	NA	NA	NA	NA	NA
MW-16D		07/31/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.27	0.0024 U	0.27	NA	NA	NA</td			

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Location ID	Depth (feet)	Date Collected	α -Chlordane ($\mu\text{g/L}$)	Chlordane ($\mu\text{g/L}$)	γ -Chlordane ($\mu\text{g/L}$)	p,p'-DDD ($\mu\text{g/L}$)	α -BHC ($\mu\text{g/L}$)	β -BHC ($\mu\text{g/L}$)	δ -BHC ($\mu\text{g/L}$)	Lindane ($\mu\text{g/L}$)	Total BHCs ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	Arsenic ($\mu\text{g/L}$)	Chromium ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)	
Cleanup Goal			2	--	2	0.1	0.05	0.1	--	0.2	--	1	700	10,000	--	100	15	
MW-16S		04/26/06	1 K	NA	1 K	0.5 K	0.069	2.6	0.33	0.079	3.08	NA	NA	NA	NA	NA	NA	
MW-16S		05/24/06	2.5 K	NA	2.5 K	1.25 K	0.18	5.3	0.78	0.13	6.39	NA	NA	NA	NA	NA	NA	
MW-16S		06/27/06	2.5 K	NA	2.5 K	1.25 K	0.11	3.4	0.52	0.096	4.13	NA	NA	NA	NA	NA	NA	
MW-16S		07/27/06	1 K	NA	1 K	0.5 K	0.021	0.99	0.14	0.038 I	1.19	NA	NA	NA	NA	NA	NA	
MW-16S		09/06/06	0.16	NA	0.16	0.032 K	0.1	1.1	0.22	0.084	1.5	NA	NA	NA	NA	NA	NA	
MW-16S		10/02/06	0.019	NA	0.0021 U	0.0016 U	0.011	0.57	0.12	0.019	0.72	NA	NA	NA	NA	NA	NA	
MW-16S		11/02/06	0.0038 K	NA	0.0042 K	0.0032 K	0.027	1	0.13	0.039	1.2	NA	NA	NA	NA	NA	NA	
MW-16S		11/28/06	0.0019 U	NA	0.0021 U	0.0016 U	0.057	1.59	0.032	0.067	1.75	NA	NA	NA	NA	NA	NA	
MW-16S		12/18/06	0.0019 U	NA	0.0021 U	0.0016 U	0.075	1.2	0.0023 U	0.058	1.33	NA	NA	NA	NA	NA	NA	
MW-16S		02/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.018	0.48	0.086	0.028	0.612	NA	NA	NA	NA	NA	NA	
MW-16S		03/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.027	0.69	0.11	0.018	0.845	NA	NA	NA	NA	NA	NA	
MW-16S		03/26/07	0.0095 K	NA	0.0105 K	0.008 K	0.038	0.97	0.18	0.012 K	1.19	NA	NA	NA	NA	NA	NA	
MW-16S		04/22/07	0.019 K	NA	0.021 K	0.016 K	0.084	2.3	0.28	0.024 K	2.66	NA	NA	NA	NA	NA	NA	
MW-16S		05/18/07	0.0019 U	NA	0.0021 U	0.0016 U	0.062	3.4	0.0023 U	0.0024 U	3.46	NA	NA	NA	NA	NA	NA	
MW-16S		06/26/07	0.0019 U	NA	0.0021 U	0.0016 U	0.06	5.2	1.4	0.0024 U	6.66	NA	NA	NA	NA	NA	NA	
MW-16S		07/31/07	0.038 K	NA	0.042 K	0.032 K	0.13 I	2.7	0.34	0.048 K	3.17	NA	NA	NA	NA	NA	NA	
MW-16S		08/26/07	0.0019 U	NA	0.0021 U	0.0016 U	0.13	2.5	0.49	0.0024 U	3.12	NA	NA	NA	NA	NA	NA	
MW-16S		09/30/07	0.0019 U	NA	0.0021 U	0.0016 U	0.11	0.003 U	0.0023 U	0.0024 U	0.11	NA	NA	NA	NA	NA	NA	
MW-16S		10/29/07	0.0019 U	NA	0.0021 U	0.0016 U	0.099	1.5	0.24	0.0024 U	1.84	NA	NA	NA	NA	NA	NA	
MW-16S		12/05/07	0.0019 U	NA	0.0021 U	0.0016 U	0.13	1.5	0.0023 U	0.069	1.7	NA	NA	NA	NA	NA	NA	
MW-16S		01/09/08	0.0019 U	NA	0.0021 U	0.0016 U	0.17	1.8	0.0023 U	0.082	2.05	NA	NA	NA	NA	NA	NA	
MW-16S		02/11/08	0.0019 U	NA	0.0021 U	0.0016 U	0.22	1.9	0.23	0.0024 U	2.35	NA	NA	NA	NA	NA	NA	
MW-16S		03/04/08	0.019 K	NA	0.021 K	0.016 K	2.1	0.03 K	0.023 K	0.26	2.36	NA	NA	NA	NA	NA	NA	
MW-16S		04/08/08	0.0019 U	NA	0.0021 U	0.0016 U	0.16	1.5	0.0023 U	0.0024 U	1.66	NA	NA	NA	NA	NA	NA	
MW-16S		05/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.23	1.8	0.0023 U	0.17	2.2	NA	NA	NA	NA	NA	NA	
MW-16S		06/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.47	3.7	0.71	0.37	5.25	NA	NA	NA	NA	NA	NA	
MW-16S		07/09/08	0.0019 U	NA	0.0021 U	0.0016 U	0.19	1.5	0.31	0.13	2.13	NA	NA	NA	NA	NA	NA	
MW-16S		08/06/08	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.081 [0.069]	0.74 [0.08]	0.0023 U [0.0023 U]	0.042 [0.031]	NA	NA	NA	NA	NA	NA	NA	NA
MW-17S		04/08/04	1 K	NA	1 K	0.5 K	1.6	0.93	2.2	0.4	5.13	NA	NA	NA	NA	NA	NA	
MW-17S		10/19/04	0.5 K	NA	0.5 K	0.25 K	0.85	1	2.4	0.25 K	4.25	NA	NA	NA	NA	NA	NA	
MW-17S		06/03/05	0.2 K	NA	0.2 K	0.1 K	1	2.7	6.5	0.1 K	10.2	NA	NA	NA	NA	NA	NA	
MW-17S		12/21/05	0.1 U	NA	0.1 U	0.05 U	0.83	2.3	7.2	0.29	10.6	1.4	29	85	NA	NA	NA	
MW-17S		04/25/06	0.1 U	NA	0.1 U	0.05 U	0.55	1.7	5.8	0.05 U	8.05	NA	NA	NA	NA	NA	NA	
MW-17S		11/02/06	0.038 K	NA	0.042 K	0.032 K	0.51	0.06 K	3.9	0.048 K	4.41	NA	NA	NA	NA	NA	NA	
MW-18S		12/13/05	0.1 U	NA	0.1 U	0.05 U	0.074	0.01 U	0.11	0.05 U	0.184	0.9 U	0.9 U	2.2 U	NA	NA	NA	
MW-18S		02/01/06	0.1 U [0.1 U]	NA	0.1 U [0.1 U]	0.05 U [0.05 U]	0.052 [0.079]	0.01 U [0.09]	0.19 [0.2]	0.05 U [0.05 U]	0.242 [0.369]	NA	NA	NA	NA	NA	NA	
MW-18S		02/27/06	0.1 U	NA	0.1 U	0.05 U	0.02	0.01 U	0.071	0.05 U	0.091	NA	NA	NA	NA	NA	NA	
MW-18S		03/27/06	0.1 U	NA	0.1 U	0.05 U	0.011	0.01 U	0.12	0.05 U	0.131	NA	NA	NA	NA	NA	NA	
MW-18S		04/24/06	0.1 U	NA	0.1 U	0.05 U	0.027	0.01	0.15	0.05 U	0.187	NA	NA	NA	NA	NA	NA	
MW-18S		05/23/06	0.1 U	NA	0.1 U	0.05 U	0.037	0.011	0.19	0.05 U	0.238	NA	NA	NA	NA	NA	NA	
MW-18S		06/27/06	0.1 U	NA	0.1 U	0.05 U	0.04	0.01 U	0.15	0.05 U	0.19	NA	NA	NA	NA	NA	NA	
MW-18S		07/26/06	0.1 U	NA	0.1 U</													

Table 8. Groundwater data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane ($\mu\text{g/L}$)	Chlordane ($\mu\text{g/L}$)	γ -Chlordane ($\mu\text{g/L}$)	p,p'-DDD ($\mu\text{g/L}$)	α -BHC ($\mu\text{g/L}$)	β -BHC ($\mu\text{g/L}$)	δ -BHC ($\mu\text{g/L}$)	Lindane ($\mu\text{g/L}$)	Total BHCs ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	Arsenic ($\mu\text{g/L}$)	Chromium ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)
Cleanup Goal			2	--	2	0.1	0.05	0.1	--	0.2	--	1	700	10,000	--	100	15
MW-18S		01/08/08	0.0019 U	NA	0.0021 U	0.0016 U	0.016	0.003 U	0.08	0.0024 U	0.096	NA	NA	NA	NA	NA	NA
MW-18S		02/11/08	0.0019 U	NA	0.0021 U	0.0016 U	0.018	0.003 U	0.094	0.0024 U	0.112	NA	NA	NA	NA	NA	NA
MW-18S		03/05/08	0.0019 U	NA	0.0021 U	0.0016 U	0.021	0.003 U	0.14	0.0024 U	0.161	NA	NA	NA	NA	NA	NA
MW-18S		04/07/08	0.0019 U	NA	0.0021 U	0.0016 U	0.037	0.003 U	0.25	0.0024 U	0.287	NA	NA	NA	NA	NA	NA
MW-18S		05/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.015	0.003 U	0.1	0.0024 U	0.115	NA	NA	NA	NA	NA	NA
MW-18S		06/05/08	0.0019 U	NA	0.0021 U	0.0016 U	0.016	0.003 U	0.11	0.0024 U	0.126	NA	NA	NA	NA	NA	NA
MW-18S		07/09/08	0.0019 U	NA	0.0021 U	0.0016 U	0.023	0.003 U	0.14	0.0024 U	0.163	NA	NA	NA	NA	NA	NA
MW-18S		08/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.012	0.003 U	0.11	0.0024 U	NA	NA	NA	NA	NA	NA	NA
MW-19S		12/13/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	0.9 U	0.9 U	2.2 U	NA	NA	NA
MW-19S		02/01/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA
MW-19S		02/27/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA
MW-19S		03/27/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA
MW-19S		04/24/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA
MW-19S		05/23/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.005 I	0.03 U	0.05 U	0.005	NA	NA	NA	NA	NA	NA
MW-19S		06/27/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA
MW-19S		07/26/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.0037 I	0.03 U	0.05 U	0.0037	NA	NA	NA	NA	NA	NA
MW-19S		09/05/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-19S		10/02/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-19S		10/31/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-19S		02/01/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-19S		04/21/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-19S		08/04/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.0069 I	0.0032 I	0.0024 U	0.0101	NA	NA	NA	NA	NA	NA
MW-19S		10/28/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-20S		12/12/05	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	0.9 U	0.9 U	2.2 U	NA	NA	NA
MW-20S		01/29/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA
MW-20S		02/26/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA
MW-20S		03/26/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.01 U	0.03 U	0.05 U	ND	NA	NA	NA	NA	NA	NA
MW-20S		05/21/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.003 I	0.0024 I	0.05 U	0.0054	NA	NA	NA	NA	NA	NA
MW-20S		06/26/06	0.1 U	NA	0.1 U	0.0038 I	0.005 U	0.0037 I	0.03 U	0.05 U	0.0037	NA	NA	NA	NA	NA	NA
MW-20S		07/23/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.0046 I	0.03 U	0.05 U	0.0046	NA	NA	NA	NA	NA	NA
MW-20S		08/27/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-20S		10/01/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-20S		10/29/06	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-20S		01/28/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-20S		04/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0039 I	0.0039	NA	NA	NA	NA	NA	NA
MW-20S		07/29/07	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.0023 U [0.0023 U]	0.003 U [0.003 U]	0.0023 U [0.0023 U]	0.0024 U [0.0024 U]	ND [ND]	NA	NA	NA	NA	NA	NA
MW-20S		10/28/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-21S		12/12/05	0.1 U	NA	0.1 U	0.05 U	0.013	0.075	0.03 U	0.05 U	0.088	0.9 U	0.9 U	2.2 U	NA	NA	NA
MW-21S		01/29/06	0.1 U	NA	0.1 U	0.05 U	0.0094	0.078	0.019	0.0088 I	0.115	NA	NA	NA	NA	NA	NA
MW-21S		02/26/06	0.1 U	NA	0.1 U	0.05 U	0.0041 I	0.06	0.0097 I	0.0075 I	0.0813	NA	NA	NA	NA	NA	NA
MW-21S		03/26/06	0.1 U	NA	0.1 U	0.05 U	0.005 U	0.074	0.03 U	0.05 U	0.074	NA	NA	NA	NA	NA	NA
MW-21S		04/23/06	0.1 U	NA	0.1 U	0.05 U	0.0094	0.13	0.025 I	0.013 I	0.177	NA	NA				

Table 8. Groundwater data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane ($\mu\text{g/L}$)	Chlordane ($\mu\text{g/L}$)	γ -Chlordane ($\mu\text{g/L}$)	p,p'-DDD ($\mu\text{g/L}$)	α -BHC ($\mu\text{g/L}$)	β -BHC ($\mu\text{g/L}$)	δ -BHC ($\mu\text{g/L}$)	Lindane ($\mu\text{g/L}$)	Total BHCs ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	Arsenic ($\mu\text{g/L}$)	Chromium ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)
Cleanup Goal			2	--	2	0.1	0.05	0.1	--	0.2	--	1	700	10,000	--	100	15
MW-21S		08/26/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0089 I	0.081	0.014	0.01	0.114	NA	NA	NA	NA	NA	NA
MW-21S		09/30/07	0.0019 U	NA	0.0021 U	0.0016 U	0.07	0.17	0.16	0.023	0.423	NA	NA	NA	NA	NA	NA
MW-21S		10/28/07	0.0019 U	NA	0.0021 U	0.0016 U	0.005 I	0.05	0.0068 I	0.0084 I	0.0702	NA	NA	NA	NA	NA	NA
MW-21S		01/06/08	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.0051 I [0.004 I]	0.051 [0.046]	0.0023 U [0.0023 U]	0.0053 I [0.0041 I]	0.0614 [0.0541]	NA	NA	NA	NA	NA	NA
MW-21S		04/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0043 I	0.039	0.0023 U	0.0024 U	0.0433	NA	NA	NA	NA	NA	NA
MW-21S		07/10/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0054 I	0.033	0.0023 U	0.0042 I	0.0426	NA	NA	NA	NA	NA	NA
MW-22S		12/12/05	0.1 U	NA	0.1 U	0.05 U	0.029	0.052	0.048	0.05 U	0.129	0.9 U	0.9 U	2.2 U	NA	NA	NA
MW-22S		01/29/06	0.1 U	NA	0.1 U	0.05 U	0.11	0.087	0.16	0.014	0.371	NA	NA	NA	NA	NA	NA
MW-22S		02/26/06	0.1 U	NA	0.1 U	0.05 U	0.085	0.052	0.085	0.05 U	0.222	NA	NA	NA	NA	NA	NA
MW-22S		03/26/06	0.1 U	NA	0.1 U	0.05 U	0.086	0.068	0.12	0.05 U	0.274	NA	NA	NA	NA	NA	NA
MW-22S		04/23/06	0.1 U	NA	0.1 U	0.05 U	0.049	0.075	0.096	0.05 U	0.22	NA	NA	NA	NA	NA	NA
MW-22S		05/21/06	0.1 U	NA	0.1 U	0.05 U	0.21	0.16	0.31	0.05 U	0.68	NA	NA	NA	NA	NA	NA
MW-22S		06/26/06	0.1 U	NA	0.1 U	0.044	0.042	0.07	0.063	0.02 I	0.195	NA	NA	NA	NA	NA	NA
MW-22S		07/23/06	0.1 U	NA	0.1 U	0.05 U	0.018	0.048	0.03 U	0.05 U	0.066	NA	NA	NA	NA	NA	NA
MW-22S		08/27/06	0.0019 U	NA	0.0021 U	0.0016 U	0.048	0.044	0.061	0.0024 U	0.153	NA	NA	NA	NA	NA	NA
MW-22S		10/01/06	0.0019 U	NA	0.0021 U	0.0016 U	0.018	0.025	0.018	0.0057 I	0.0667	NA	NA	NA	NA	NA	NA
MW-22S		10/29/06	0.0019 U	NA	0.0021 U	0.0016 U	0.04	0.078	0.062	0.013	0.193	NA	NA	NA	NA	NA	NA
MW-22S		11/26/06	0.0019 U	NA	0.0021 U	0.0016 U	0.047	0.061	0.068	0.0024 U	0.176	NA	NA	NA	NA	NA	NA
MW-22S		12/17/06	0.0038 K	NA	0.0042 K	0.0032 K	0.056	0.09	0.0046 K	0.0048 K	0.146	NA	NA	NA	NA	NA	NA
MW-22S		01/28/07	0.0019 U	NA	0.0021 U	0.0016 U	0.04	0.085	0.059	0.0024 U	0.184	NA	NA	NA	NA	NA	NA
MW-22S		02/25/07	0.0019 U	NA	0.0021 U	0.0016 U	0.031	0.077	0.082	0.0024 U	0.19	NA	NA	NA	NA	NA	NA
MW-22S		03/25/07	0.0019 U	NA	0.0021 U	0.0016 U	0.016	0.058	0.026	0.0024 U	0.1	NA	NA	NA	NA	NA	NA
MW-22S		04/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.014	0.061	0.0023 U	0.0024 U	0.075	NA	NA	NA	NA	NA	NA
MW-22S		06/24/07	0.0019 U	NA	0.0021 U	0.0016 U	0.027	0.071	0.0023 U	0.041	0.139	NA	NA	NA	NA	NA	NA
MW-22S		07/29/07	0.0019 U	NA	0.0021 U	0.0016 U	0.023	0.052	0.0023 U	0.0024 U	0.075	NA	NA	NA	NA	NA	NA
MW-22S		08/26/07	0.0019 U	NA	0.0021 U	0.0016 U	0.013	0.033	0.014	0.0056 I	0.0656	NA	NA	NA	NA	NA	NA
MW-22S		09/30/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0028 I	0.015	0.0023 U	0.0024 I	0.0202	NA	NA	NA	NA	NA	NA
MW-22S		10/28/07	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.0078 I [0.0081 I]	0.019 [0.018]	0.014 [0.0084 I]	0.0024 U [0.0024 U]	0.0408 [0.0345]	NA	NA	NA	NA	NA	NA
MW-22S		01/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0067 I	0.029	0.0023 U	0.0024 U	0.0357	NA	NA	NA	NA	NA	NA
MW-22S		04/06/08	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.0023 U [0.0023 U]	0.003 U [0.027]	0.0023 U [0.0023 U]	0.0024 U [0.0024 U]	ND [0.027]	NA	NA	NA	NA	NA	NA
MW-22S		07/10/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.015	0.0023 U	0.0024 U	0.015	NA	NA	NA	NA	NA	NA
MW-23D		09/29/07	0.0019 U	NA	0.0021 U	0.0016 U	0.019	0.081	0.13	0.0024 U	0.23	NA	NA	NA	NA	NA	NA
MW-23D		01/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.21	0.0023 U	0.0024 U	0.21	NA	NA	NA	NA	NA	NA
MW-23M		09/29/07	0.0019 U	NA	0.0021 U	0.0016 U	0.012	0.68	0.75	0.0024 U	1.44	NA	NA	NA	NA	NA	NA
MW-23M		01/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.42	0.16	0.0024 U	0.58	NA	NA	NA	NA	NA	NA
MW-23M		02/12/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.15	0.02	0.0024 U	0.17	NA	NA	NA	NA	NA	NA
MW-23M		03/05/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.22	0.021	0.0024 U	0.241	NA	NA	NA	NA	NA	NA
MW-23M		04/07/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.26	0.08	0.0024 U	0.34	NA	NA	NA	NA	NA	NA
MW-23M		05/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.28	0.023	0.0024 U	0.303	NA	NA	NA	NA	NA	NA
MW-23M		06/05/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.34	0.023	0.0024 U	0.363	NA	NA	NA	NA	NA	NA
MW-23M																	

Table 8. Groundwater data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane ($\mu\text{g/L}$)	Chlordane ($\mu\text{g/L}$)	γ -Chlordane ($\mu\text{g/L}$)	p,p'-DDD ($\mu\text{g/L}$)	α -BHC ($\mu\text{g/L}$)	β -BHC ($\mu\text{g/L}$)	δ -BHC ($\mu\text{g/L}$)	Lindane ($\mu\text{g/L}$)	Total BHCs ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	Arsenic ($\mu\text{g/L}$)	Chromium ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)
Cleanup Goal			2	--	2	0.1	0.05	0.1	--	0.2	--	1	700	10,000	--	100	15
MW-25M		10/18/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.29	0.0023 U	0.0024 U	0.29	NA	NA	NA	NA	NA	NA
MW-25S		10/18/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.069	0.0023 U	0.0024 U	0.069	NA	NA	NA	NA	NA	NA
MW-26D		10/24/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.035	0.0023 U	0.0024 U	0.035	0.1 U	0.2 U	0.4 U	NA	NA	NA
MW-26D		12/02/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.029	0.0023 U	0.0024 U	0.029	NA	NA	NA	NA	NA	NA
MW-26D		04/07/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-26D		07/11/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.03	0.0023 U	0.0024 U	0.03	NA	NA	NA	NA	NA	NA
MW-27D		10/24/07	0.0019 U	NA	0.0021 U	0.0016 U	0.022	0.48	0.0023 U	0.0024 U	0.502	0.1 U	0.2 U	0.4 U	NA	NA	NA
MW-27D		12/02/07	0.0019 U	NA	0.0021 U	0.0016 U	0.032	1.1	0.0023 U	0.0024 U	1.13	NA	NA	NA	NA	NA	NA
MW-28D		10/28/07	0.0019 U	NA	0.0021 U	0.0016 U	0.1	2.4	0.0023 U	0.0024 U	2.5	0.1 U	0.2 U	0.4 U	NA	NA	NA
MW-28D		12/02/07	0.0019 U	NA	0.0021 U	0.0016 U	0.069	2.3	0.0023 U	0.0024 U	2.37	NA	NA	NA	NA	NA	NA
MW-28D		04/08/08	0.0019 U	NA	0.0021 U	0.0016 U	0.038 I	2.1	0.0023 U	0.0024 U	2.14	NA	NA	NA	NA	NA	NA
MW-28D		07/11/08	0.0019 U	NA	0.0021 U	0.0016 U	0.067	3	0.0023 U	0.0024 U	3.07	NA	NA	NA	NA	NA	NA
MW-29D		10/24/07	0.0019 U	NA	0.0021 U	0.0016 U	2.3	2.1	6.9	0.0024 U	11.3	7.9	3.7	38	NA	NA	NA
MW-29D		10/30/07	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	1.4 [1.8]	1.3 [1.6]	3.2 [3.7]	0.0024 U [0.0024 U]	5.9 [7.1]	8.6	4.4	31	NA	NA	NA
MW-29D		12/02/07	0.038 K	NA	0.042 K	0.032 K	1.8	1.8	5.6	0.048 K	9.2	NA	NA	NA	NA	NA	NA
MW-29D		01/06/08	0.0019 U	NA	0.0021 U	0.0016 U	1.2	0.87	3.5	0.0024 U	5.57	NA	NA	NA	NA	NA	NA
MW-29D		02/11/08	0.0019 U	NA	0.0021 U	0.0016 U	1.9	0.95	5.4	0.0024 U	8.25	NA	NA	NA	NA	NA	NA
MW-29D		03/04/08	0.019 K [0.019 K]	NA	0.021 K [0.021 K]	0.016 K [0.016 K]	1.7 [1.7]	0.91 [0.91]	5.5 [5.3]	0.024 K [0.024 K]	8.11 [7.91]	NA	NA	NA	NA	NA	NA
MW-29D		04/07/08	0.019 K	NA	0.021 K	0.016 K	1	0.72	0.023 K	0.024 K	1.72	NA	NA	NA	NA	NA	NA
MW-29D		05/06/08	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	2.3 [2]	1.4 [1.6]	4.6 [5.1]	0.0024 U [0.0024 U]	8.3 [8.7]	NA	NA	NA	NA	NA	NA
MW-29D		06/05/08	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	2.1 [2.3]	1.3 [1.5]	5.1 [5.5]	0.0024 U [0.0024 U]	8.5 [9.3]	NA	NA	NA	NA	NA	NA
MW-29D		07/08/08	0.0019 U	NA	0.0021 U	0.0016 U	1.5	1.3	5.7	0.0024 U	8.5	NA	NA	NA	NA	NA	NA
MW-29D		08/06/08	0.0019 U	NA	0.0021 U	0.0016 U	2	1.8	6.7	0.0024 U	NA	NA	NA	NA	NA	NA	NA
MW-30D		10/24/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.18	0.0023 U	0.0024 U	0.18	0.1 U	0.2 U	0.4 U	NA	NA	NA
MW-30D		12/02/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.25	0.0023 U	0.0024 U	0.25	NA	NA	NA	NA	NA	NA
MW-30D		01/10/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0038 I	0.25	0.0023 U	0.0036 I	0.257	NA	NA	NA	NA	NA	NA
MW-30D		03/04/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.25	0.0023 U	0.0024 U	0.25	NA	NA	NA	NA	NA	NA
MW-30D		04/08/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.2	0.0023 U	0.0024 U	0.2	NA	NA	NA	NA	NA	NA
MW-30D		05/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0027 I	0.23	0.0045 I	0.0024 U	0.237	NA	NA	NA	NA	NA	NA
MW-30D		06/05/08	0.0019 U	NA	0.023	0.0016 U	0.0032 I	0.27	0.0023 U	0.0024 U	0.273	NA	NA	NA	NA	NA	NA
MW-30D		07/09/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0032 I	0.23	0.0023 U	0.0024 U	0.233	NA	NA	NA	NA	NA	NA
MW-30D		08/07/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0034 I	0.22	0.0023 U	0.0024 U	NA	NA	NA	NA	NA	NA	NA
MW-31D		10/24/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	0.1 U	0.2 U	0.4 U	NA	NA	NA
MW-31D		12/02/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-32D		11/27/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-32D		01/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-32D		03/05/08	0.0019 U	NA	0.0021 U	0.0016 U	0.16	0.003 U	0.0023 U	0.0024 U	0.16	NA	NA	NA	NA	NA	NA
MW-32D		04/08/08	0.0019 U	NA	0.0021 U	0.0016 U	0.24	0.003 U	0.0023 U	0.0024 U	0.24	NA	NA	NA	NA	NA	NA
MW-32D		05/06/08	0.0019 U	NA	0.0021 U	0.0016 U	0.23	0.25	0.68	0.0024 U	1.16	NA	NA	NA	NA	NA	NA

Table 8. Groundwater data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane ($\mu\text{g/L}$)	Chlordane ($\mu\text{g/L}$)	γ -Chlordane ($\mu\text{g/L}$)	p,p'-DDD ($\mu\text{g/L}$)	α -BHC ($\mu\text{g/L}$)	β -BHC ($\mu\text{g/L}$)	δ -BHC ($\mu\text{g/L}$)	Lindane ($\mu\text{g/L}$)	Total BHCs ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	Arsenic ($\mu\text{g/L}$)	Chromium ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)
Cleanup Goal			2	--	2	0.1	0.05	0.1	--	0.2	--	1	700	10,000	--	100	15
MW-36D		12/05/07	0.0019 U	NA	0.0021 U	0.0016 U	8.2	2.3	6	22	38.5	NA	NA	NA	NA	NA	NA
MW-36D		01/10/08	0.0019 U	NA	0.0021 U	0.44	5.9	2.2	4.7	16	28.8	NA	NA	NA	NA	NA	NA
MW-36D		04/09/08	0.019 K	NA	0.021 K	0.016 K	0.81	0.54	1.1	1.3	3.75	NA	NA	NA	NA	NA	NA
MW-36D		07/09/08	0.0019 U	NA	0.0021 U	0.0016 U	0.69	0.25	1.7	1.3	3.94	NA	NA	NA	NA	NA	NA
MW-36S		12/05/07	0.0019 U	NA	0.0021 U	0.27	0.76	0.59	1	1.5	3.85	NA	NA	NA	NA	NA	NA
MW-36S		01/10/08	0.0019 U	NA	0.0021 U	0.32	1	0.97	1.6	2.4	5.97	NA	NA	NA	NA	NA	NA
MW-36S		04/09/08	0.019 K	NA	0.021 K	0.016 K	0.92	0.37	0.78	1.9	3.97	NA	NA	NA	NA	NA	NA
MW-36S		07/09/08	0.0019 U	NA	0.0021 U	0.0016 U	3.3	4.7	4.7	1.7	14.4	NA	NA	NA	NA	NA	NA
MW-37D		11/28/07	0.0019 U	NA	0.0021 U	0.17	0.0023 U	0.0003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-37S		11/28/07	0.0019 U	NA	0.0021 U	0.0016 U	0.1	0.22	0.0023 U	0.045	0.365	NA	NA	NA	NA	NA	NA
MW-38D		12/05/07	0.038 K	NA	0.042 K	0.032 K	0.046 K	0.06 K	0.046 K	0.048 K	ND	NA	NA	NA	NA	NA	NA
MW-39D		01/09/08	0.0019 U	NA	0.0021 U	0.0016 U	0.031	0.36	0.0023 U	0.0024 U	0.391	NA	NA	NA	NA	NA	NA
MW-39D		04/08/08	0.0019 U	NA	0.0021 U	0.0016 U	0.025	0.21	0.0023 U	0.0024 U	0.235	NA	NA	NA	NA	NA	NA
MW-39D		07/10/08	0.0019 U	NA	0.0021 U	0.0016 U	0.033	0.25	0.012	0.0024 U	0.295	NA	NA	NA	NA	NA	NA
MW-40D		01/10/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.0056 I	0.0023 U	0.0024 U	0.0056	NA	NA	NA	NA	NA	NA
MW-40S		01/10/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.026	0.0023 U	0.0024 U	0.026	NA	NA	NA	NA	NA	NA
MW-41D		06/25/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-41D		07/09/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-41D		08/07/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	NA	NA	NA	NA	NA	NA	NA
MW-42D		06/25/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-42D		07/10/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-43D		06/25/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.01 I	0.0023 U	0.0024 U	0.01	NA	NA	NA	NA	NA	NA
MW-43D		07/09/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.017	0.0023 U	0.0024 U	0.017	NA	NA	NA	NA	NA	NA
MW-44D		06/24/08	0.0019 U	NA	0.0021 U	0.0016 U	0.003 I	0.18	0.0023 U	0.0024 U	0.183	NA	NA	NA	NA	NA	NA
MW-44S		06/24/08	0.0019 U	NA	0.0021 U	0.0016 U	0.21	0.48	0.16	0.0024 U	0.85	NA	NA	NA	NA	NA	NA
MW-45D		06/24/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0046 I	0.065	0.0023 U	0.0024 U	0.0696	NA	NA	NA	NA	NA	NA
MW-45S		06/24/08	0.0019 U	NA	0.0021 U	0.0016 U	0.11	2.4	0.0023 U	0.01	2.52	NA	NA	NA	NA	NA	NA
MW-46D		06/25/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
MW-A		07/31/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
CO-GW-E	11 - 15	09/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
CO-GW-E	16 - 20	09/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
CO-GW-E	21 - 25	09/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.28	0.043	0.0024 U	0.323	NA	NA	NA	NA	NA	NA
CO-GW-E	26 - 30	09/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.014	0.074	0.019	0.0024 U	0.107	NA	NA	NA	NA	NA	NA
CO-GW-E	31 - 35	09/22/07	0.0019 U	NA	0.0021 U	0.35	0.065	0.14	0.0023 U	0.0024 U	0.205	NA	NA	NA	NA	NA	NA
CO-GW-E	36 - 40	09/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.056	0.21	0.0023 U	0.078	0.344	NA	NA	NA	NA	NA	NA
CO-GW-G	11 - 15	09/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
CO-GW-G	16 - 20	09/22/07	0.0019 U [0.0019 U]	NA [NA]	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.0023 U [0.0023 U]	0.003 U [0.003 U]	0.0023 U [0.0023 U]	0.0024 U [0.0024 U]	ND [ND]	NA	NA	NA	NA	NA	NA
CO-GW-G	21 - 25	09/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
CO-GW-G	26 - 30	09/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
CO-GW-G	31 - 35	09/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.065	0.075	0.025	0.0024 U	0.165	NA	NA</td				

Table 8. Groundwater data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane ($\mu\text{g/L}$)	Chlordane ($\mu\text{g/L}$)	γ -Chlordane ($\mu\text{g/L}$)	p,p'-DDD ($\mu\text{g/L}$)	α -BHC ($\mu\text{g/L}$)	β -BHC ($\mu\text{g/L}$)	δ -BHC ($\mu\text{g/L}$)	Lindane ($\mu\text{g/L}$)	Total BHCs ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	Arsenic ($\mu\text{g/L}$)	Chromium ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)	
Cleanup Goal			2	--	2	0.1	0.05	0.1	--	0.2	--	1	700	10,000	--	100	15	
CO-GW-H	11 - 15	09/22/07	0.0019 U	NA	0.0021 U	0.02	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	
CO-GW-H	16 - 20	09/22/07	0.0019 U	NA	0.0021 U	0.035	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	
CO-GW-H	21 - 25	09/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.04	0.21	0.0023 U	0.0024 U	0.25	NA	NA	NA	NA	NA	NA	
CO-GW-H	26 - 30	09/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.025	0.26	0.0023 U	0.0024 U	0.285	NA	NA	NA	NA	NA	NA	
CO-GW-H	31 - 35	09/22/07	0.0019 U	NA	0.0021 U	0.0016 U	0.027	0.13	0.0023 U	0.0024 U	0.157	NA	NA	NA	NA	NA	NA	
CO-GW-H	36 - 40	09/22/07	0.0019 U [0.0019 U]	NA [NA]	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.2 [0.21]	0.19 [0.2]	0.042 [0.034]	0.0024 U [0.0024 U]	0.432 [0.444]	NA	NA	NA	NA	NA	NA	NA
CO-GW-I	11 - 15	09/23/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	
CO-GW-I	16 - 20	09/23/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	
CO-GW-I	21 - 25	09/23/07	0.0019 U	NA	0.0021 U	0.0016 U	0.1	0.98	0.043	0.0024 U	1.12	NA	NA	NA	NA	NA	NA	
CO-GW-I	26 - 30	09/23/07	0.0019 U	NA	0.0021 U	0.0016 U	0.014	0.83	0.0023 U	0.0024 U	0.844	NA	NA	NA	NA	NA	NA	
CO-GW-I	31 - 35	09/23/07	0.0019 U	NA	0.0021 U	0.0016 U	0.012	0.099	0.0023 U	0.0024 U	0.111	NA	NA	NA	NA	NA	NA	
CO-GW-I	36 - 40	09/23/07	0.0019 U	NA	0.0021 U	0.0016 U	0.071	0.13	0.031	0.0024 U	0.232	NA	NA	NA	NA	NA	NA	
CO-GW-M	11 - 15	09/23/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	
CO-GW-M	16 - 20	09/23/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	
CO-GW-M	21 - 25	09/23/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	
CO-GW-M	26 - 30	09/23/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0078 I	0.003 U	0.0023 U	0.0024 U	0.0078	NA	NA	NA	NA	NA	NA	
CO-GW-M	31 - 35	09/23/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.2	0.0023 U	0.0024 U	0.2	NA	NA	NA	NA	NA	NA	
CO-GW-M	36 - 40	09/23/07	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.2	0.0023 U	0.0024 U	0.2	NA	NA	NA	NA	NA	NA	
DP-50	6 - 10	03/31/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	
DP-50	11 - 15	03/31/08	0.0019 U	NA	0.0021 U	0.0016 U	0.015	0.076	0.0079 I	0.0024 U	0.0989	NA	NA	NA	NA	NA	NA	
DP-50	16 - 20	03/31/08	0.0019 U	NA	0.0021 U	0.0016 U	0.27	2.3	0.23	0.0024 U	2.8	NA	NA	NA	NA	NA	NA	
DP-50	21 - 25	03/31/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.084	0.0023 U	0.0024 U	0.084	NA	NA	NA	NA	NA	NA	
DP-50	26 - 30	03/31/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.03	0.0023 U	0.0024 U	0.03	NA	NA	NA	NA	NA	NA	
DP-50	31 - 35	03/31/08	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.0023 U [0.0023 U]	0.084 [0.078]	0.0023 U [0.0023 U]	0.0024 U [0.0024 U]	0.084 [0.078]	NA	NA	NA	NA	NA	NA	NA
DP-51	6 - 10	03/31/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	
DP-51	11 - 15	03/31/08	0.0019 U	NA	0.0021 U	0.0016 U	0.012	0.071	0.0023 U	0.0024 U	0.083	NA	NA	NA	NA	NA	NA	
DP-51	16 - 20	03/31/08	0.0019 U	NA	0.0021 U	0.0016 U	0.056	0.31	0.029	0.0024 U	0.395	NA	NA	NA	NA	NA	NA	
DP-51	21 - 25	03/31/08	0.0019 U	NA	0.0021 U	0.0016 U	0.063	0.37	0.041	0.0024 U	0.474	NA	NA	NA	NA	NA	NA	
DP-51	26 - 30	03/31/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.072	0.0023 U	0.0024 U	0.072	NA	NA	NA	NA	NA	NA	
DP-51	31 - 35	03/31/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.17	0.0023 U	0.0024 U	0.17	NA	NA	NA	NA	NA	NA	
DP-52	6 - 10	03/31/08	0.0019 U	NA	0.0021 U	0.0016 U	0.048	1.4	0.0023 U	0.0024 U	1.45	NA	NA	NA	NA	NA	NA	
DP-52	11 - 15	04/01/08	0.0019 U	NA	0.0021 U	0.0016 U	0.071	4.2	0.0023 U	0.0024 U	4.27	NA	NA	NA	NA	NA	NA	
DP-52	16 - 20	04/01/08	0.0019 U	NA	0.0021 U	0.0016 U	0.016	1.1	0.0023 U	0.0024 U	1.12	NA	NA	NA	NA	NA	NA	
DP-52	21 - 25	04/01/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.13	0.0023 U	0.0024 U	0.13	NA	NA	NA	NA	NA	NA	
DP-52	26 - 30	04/01/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.035	0.0023 U	0.0024 U	0.035	NA	NA	NA	NA	NA	NA	
DP-52	31 - 35	04/01/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.025	0.0023 U	0.0024 U	0.025	NA	NA	NA	NA	NA	NA	
DP-53	6 - 10	04/01/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA	
DP-53	11 - 15	04/01/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.018	0.0023 U	0.0024 U	0.018	NA	NA	NA	NA	NA	NA	
DP-53	16 - 20	04/01/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0054 I	0.017	0.0023 U	0.0024 U	0.0224	NA	NA</					

Table 8. Groundwater data collected since the last five-year review.

Location ID	Depth (feet)	Date Collected	α -Chlordane ($\mu\text{g/L}$)	Chlordane ($\mu\text{g/L}$)	γ -Chlordane ($\mu\text{g/L}$)	p,p'-DDD ($\mu\text{g/L}$)	α -BHC ($\mu\text{g/L}$)	β -BHC ($\mu\text{g/L}$)	δ -BHC ($\mu\text{g/L}$)	Lindane ($\mu\text{g/L}$)	Total BHCs ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Ethylbenzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	Arsenic ($\mu\text{g/L}$)	Chromium ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)
Cleanup Goal			2	--	2	0.1	0.05	0.1	--	0.2	--	1	700	10,000	--	100	15
DP-55	21 - 25	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.024	0.0023 U	0.0024 U	0.024	NA	NA	NA	NA	NA	NA
DP-55	26 - 30	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
DP-55	31 - 35	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
DP-56	6 - 10	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.76	0.35	0.24	0.0024 U	1.35	NA	NA	NA	NA	NA	NA
DP-56	11 - 15	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.32	0.0083 I	0.0062 I	0.335	NA	NA	NA	NA	NA	NA
DP-56	16 - 20	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.43	0.0023 U	0.0024 U	0.43	NA	NA	NA	NA	NA	NA
DP-56	21 - 25	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.14	0.0023 U	0.0024 U	0.14	NA	NA	NA	NA	NA	NA
DP-56	26 - 30	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
DP-56	31 - 35	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.28	0.0023 U	0.016	0.296	NA	NA	NA	NA	NA	NA
DP-57	6 - 10	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.049	0.3	0.1	0.017	0.466	NA	NA	NA	NA	NA	NA
DP-57	11 - 15	04/02/08	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.011 [0.0095]	0.085 [0.092]	0.025 [0.027]	0.0068 I [0.011]	0.128 [0.14]	NA	NA	NA	NA	NA	NA
DP-57	16 - 20	04/02/08	0.0038 K	NA	0.0042 K	0.0032 K	0.06	I	0.18	0.1	1.34	NA	NA	NA	NA	NA	NA
DP-57	21 - 25	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.021	1.4	0.03	0.012	1.46	NA	NA	NA	NA	NA	NA
DP-57	26 - 30	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.85	0.0023 U	0.0024 U	0.85	NA	NA	NA	NA	NA	NA
DP-57	31 - 35	04/02/08	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.0023 U [0.0023 U]	1.5 [1.5]	0.0023 U [0.0023 U]	0.026 [0.021]	1.53 [1.52]	NA	NA	NA	NA	NA	NA
DP-59	6 - 10	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
DP-59	11 - 15	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
DP-59	16 - 20	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
DP-59	21 - 25	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
DP-59	26 - 30	04/02/08	0.0019 U	NA	0.0021 U	0.0016 U	0.0023 U	0.003 U	0.0023 U	0.0024 U	ND	NA	NA	NA	NA	NA	NA
DP-59	31 - 35	04/02/08	0.0019 U [0.0019 U]	NA	0.0021 U [0.0021 U]	0.0016 U [0.0016 U]	0.0023 U [0.0023 U]	0.003 U [0.003 U]	0.0023 U [0.0023 U]	0.0024 U [0.0024 U]	ND [ND]	NA	NA	NA	NA	NA	NA

I = Reported value is between the laboratory method detection limit and laboratory practical quantitation limit.

J = Indicates an estimated value.

K = Indicates the constituent was not detected at the PQL. The value preceding the K indicates the PQL.

NA = Not analyzed / available.

ND = Not detected.

U = Indicates the constituent was not detected at the PQL. The value preceding the U indicates the PQL.

Notes:

(1) Duplicate samples are indicated by [concentration].

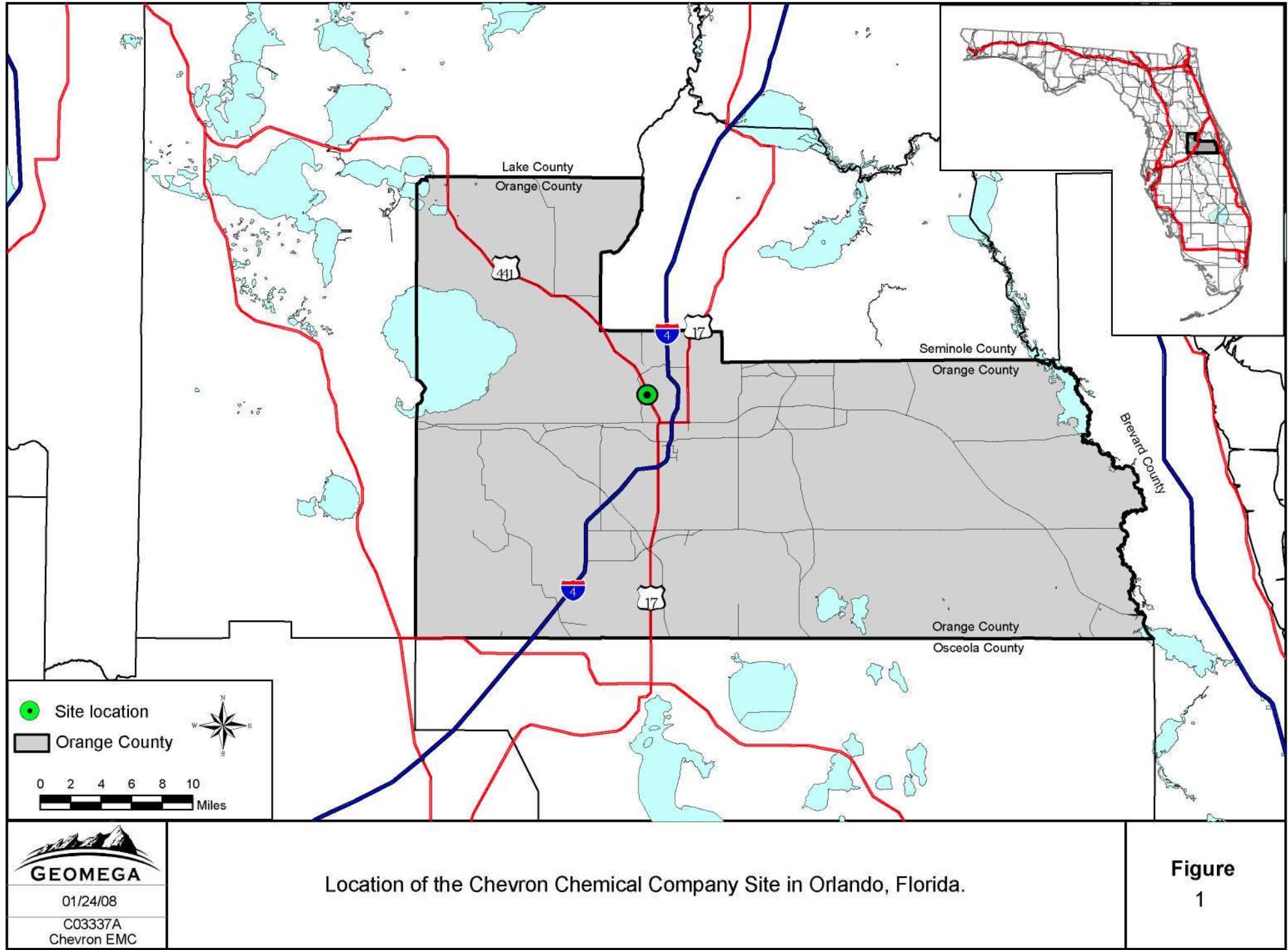
(2) Groundwater samples collected since the last EPA FYR were not analyzed for total naphthalenes.

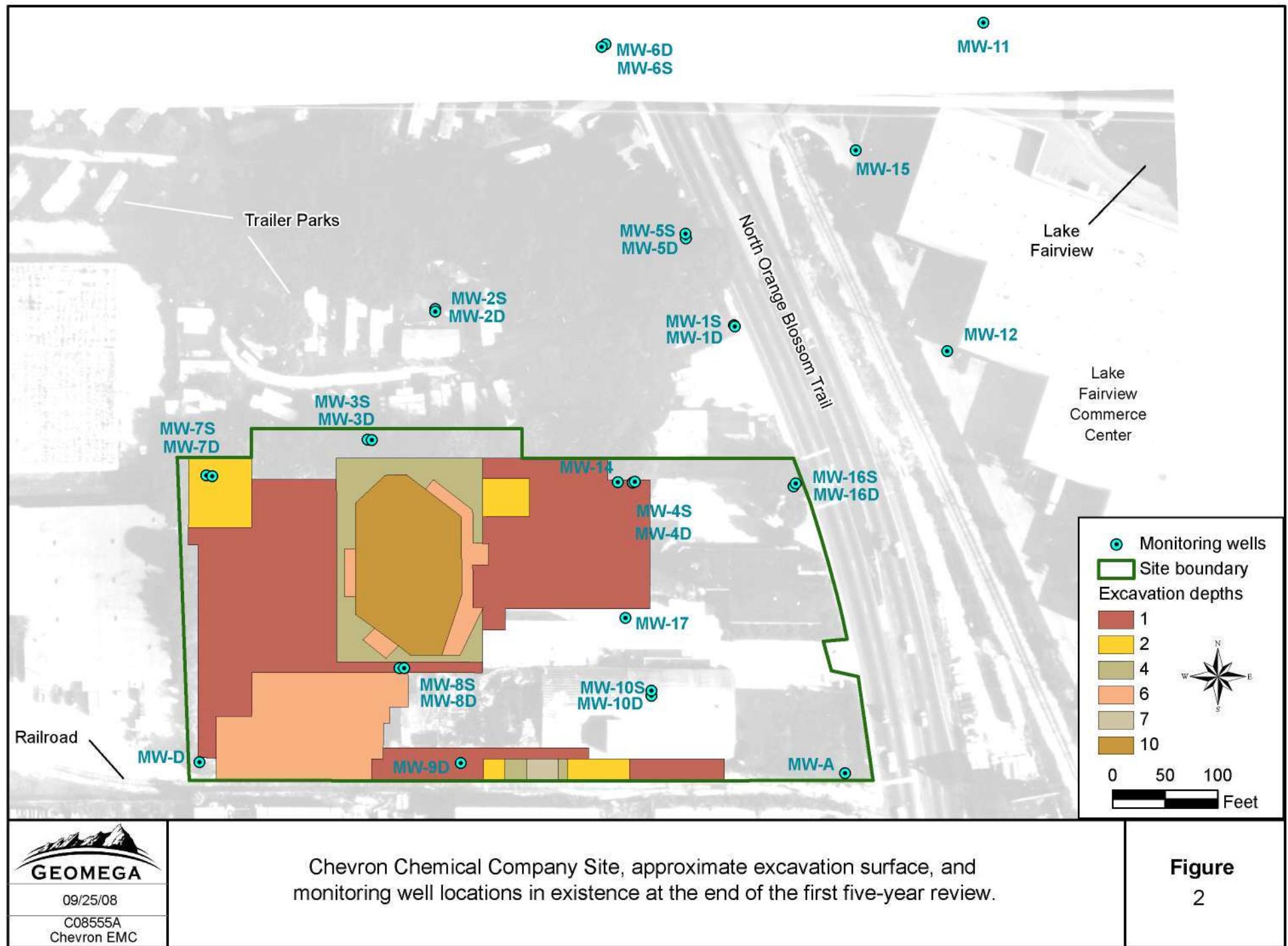
Table 9. Recommendations and follow-up actions.

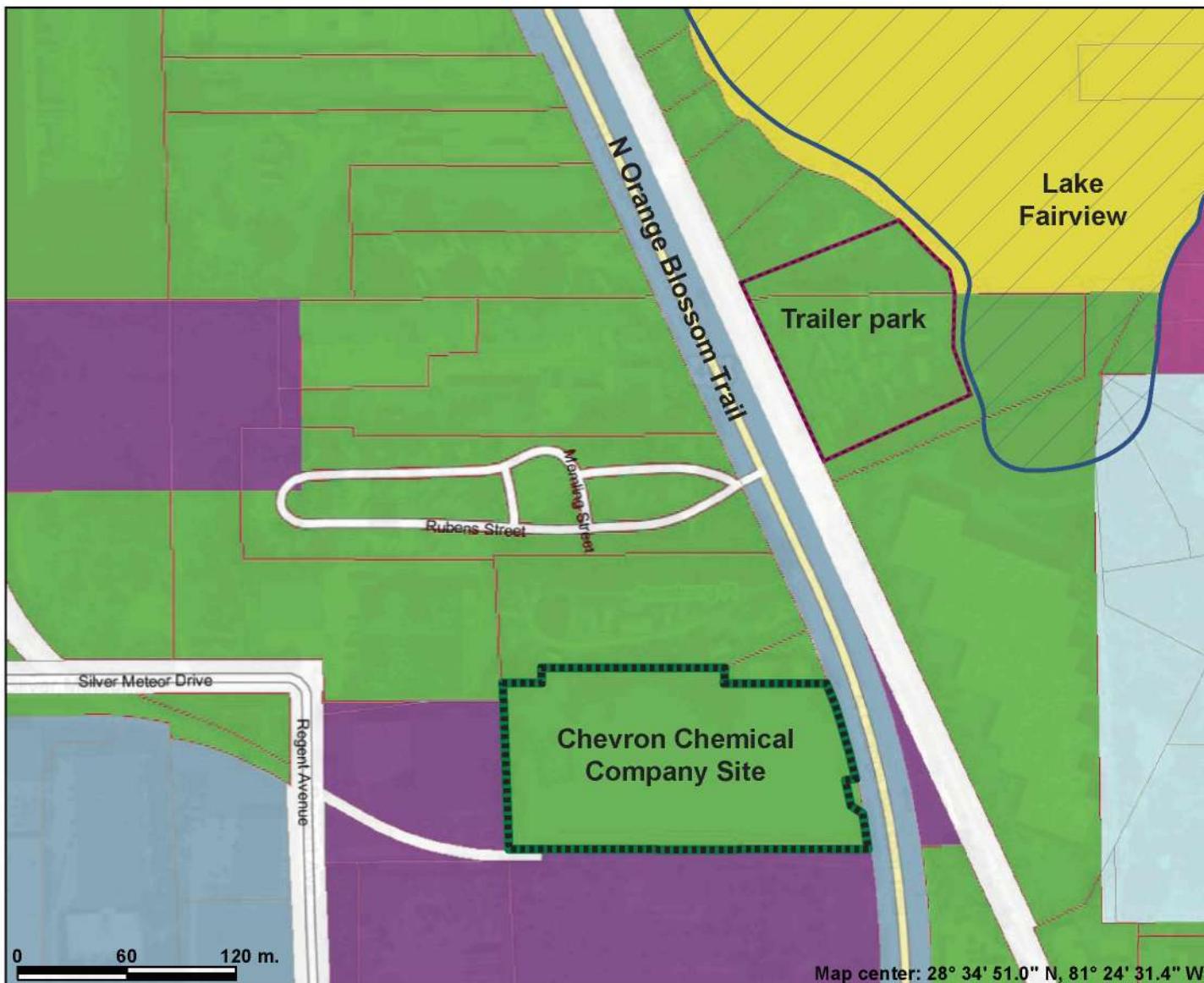
Issue	Recommendations and Follow-up Actions	Party Responsible	Oversight Agency	Milestone Date	Affects Protectiveness (Y/N)	
					Current	Future
1	Complete the pilot study to evaluate the effectiveness of PRBs to refine the subsurface filter wall contingency remedy and evaluate other contingency options that may enhance the effectiveness of MNA, including additional on-site soil excavation and/or groundwater treatment. After completion of the pilot study, issue an ESD to implement the contingency remedy.	Chevron	EPA	Feb-10	No	Yes
2	Collect soil data to evaluate if any residual source areas remain on-site at levels that would allow leaching of contaminants into the groundwater and result in continued, off-site migration of contaminated groundwater, affecting the success of the MNA remedy.	Chevron	EPA	Apr-09	No	Yes
3	Work with St. Johns River Water Management District to restrict the installation of irrigation and/or potable water wells on parcels in close proximity to the Chevron property and the contaminant plume boundary.	Chevron	EPA	Dec-09	No	Yes
4	Collect additional groundwater data in order to completely delineate the horizontal and vertical extent of groundwater contamination.	Chevron	EPA	Apr-09	No	Yes
5	Evaluate the available data against regulatory revisions to the ROD and removal action cleanup goals. If needed, issue an ESD to revise the cleanup goals to those that are determined to be protective.	Chevron	EPA	Feb-10	No	Yes
6	After installation of new monitoring wells is complete, collect one full round of samples, analyze them for all 12 site-related contaminants listed in Table 9 of the ROD, and compare the groundwater concentrations to the cleanup goals. Based on these and historical results, modify the groundwater monitoring program, if warranted.	Chevron	EPA	Dec-09	No	Yes



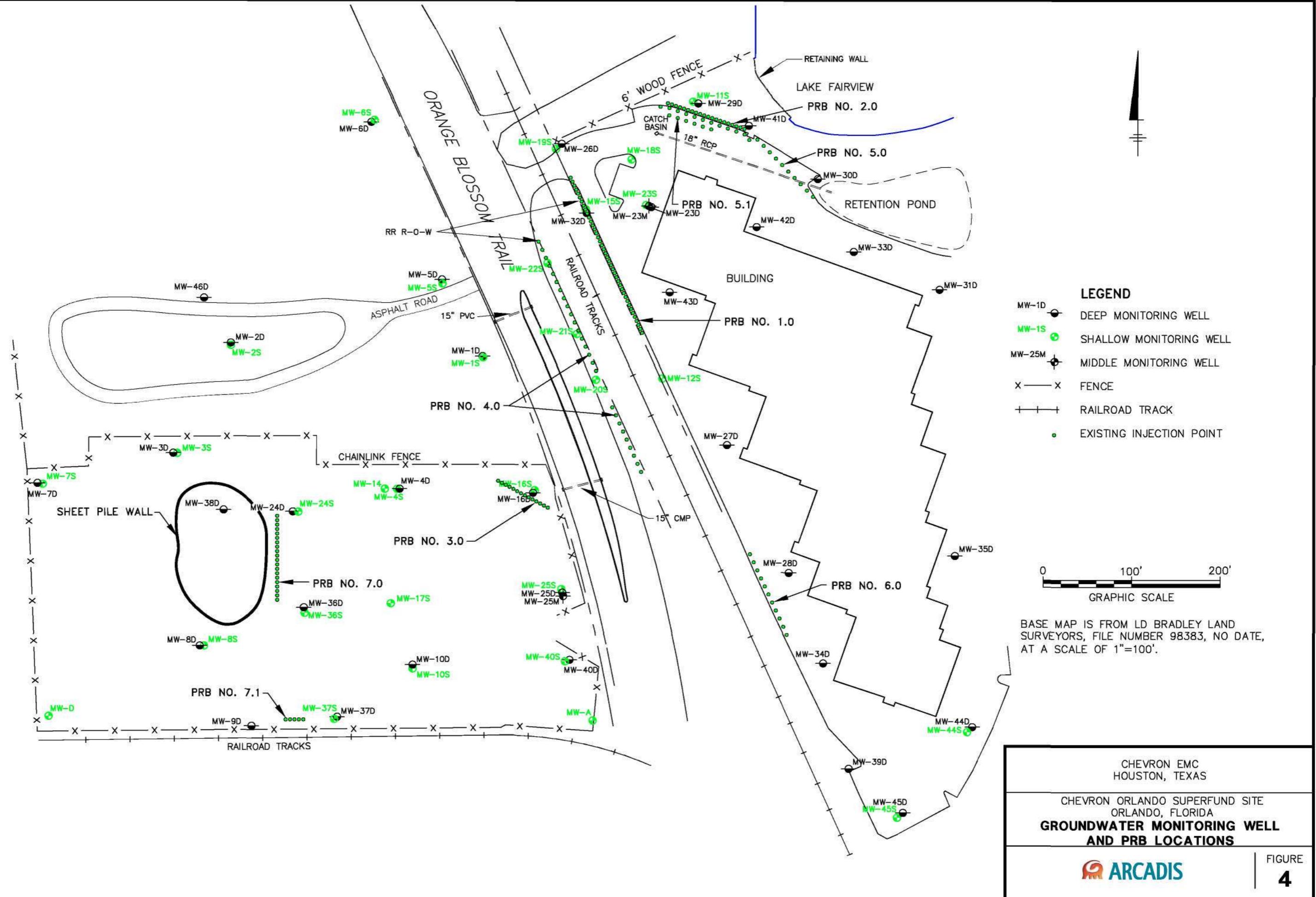
Figures

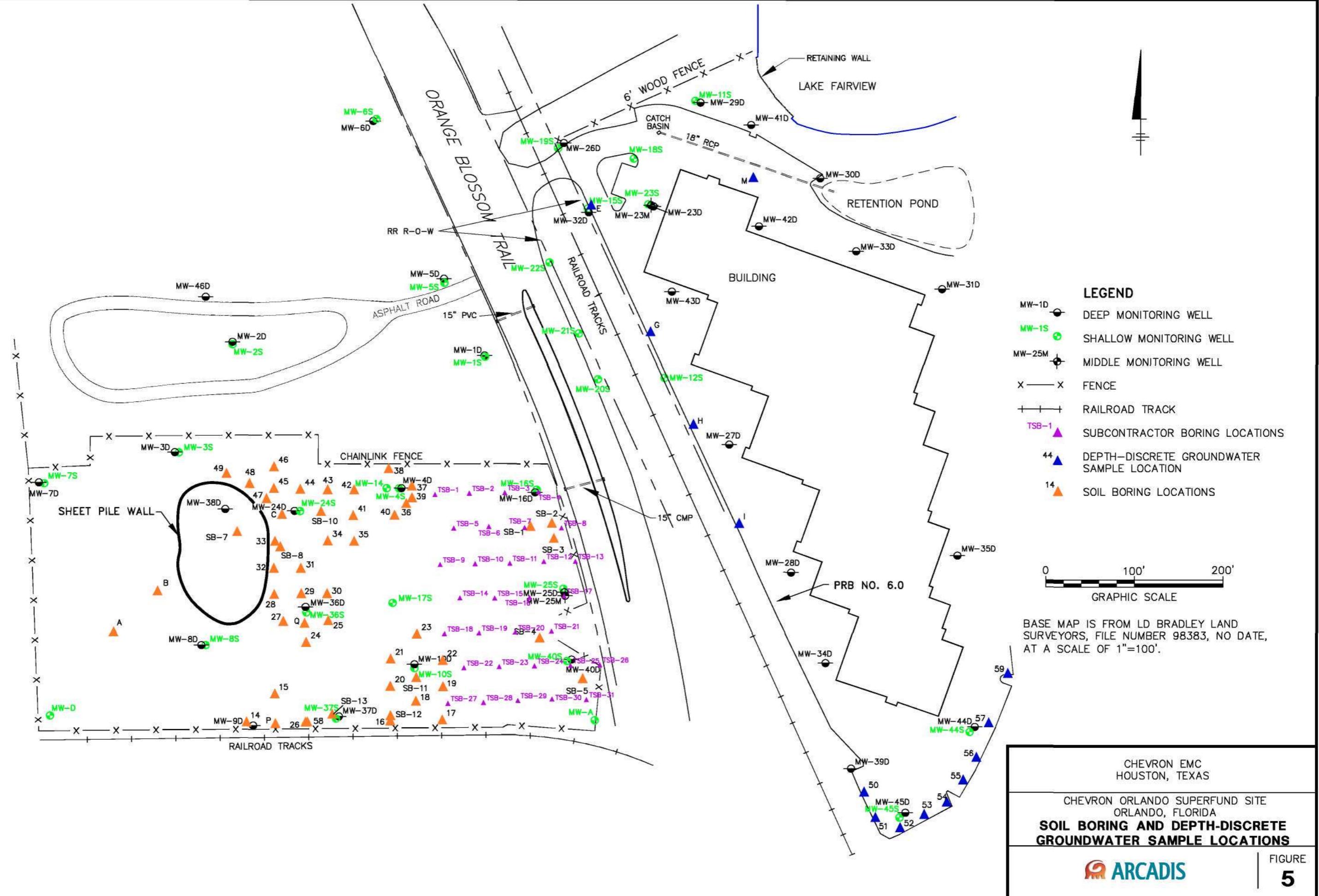


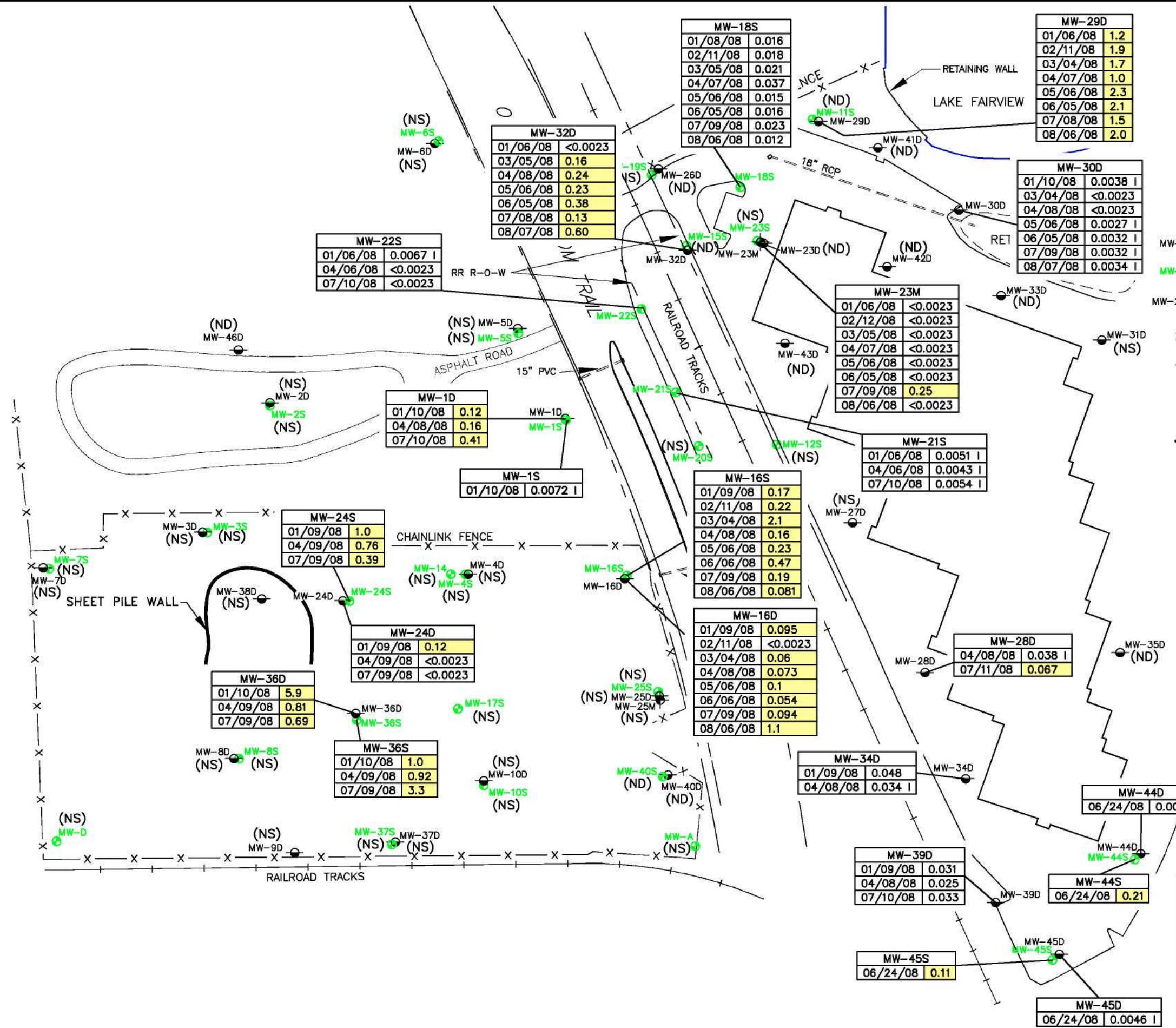


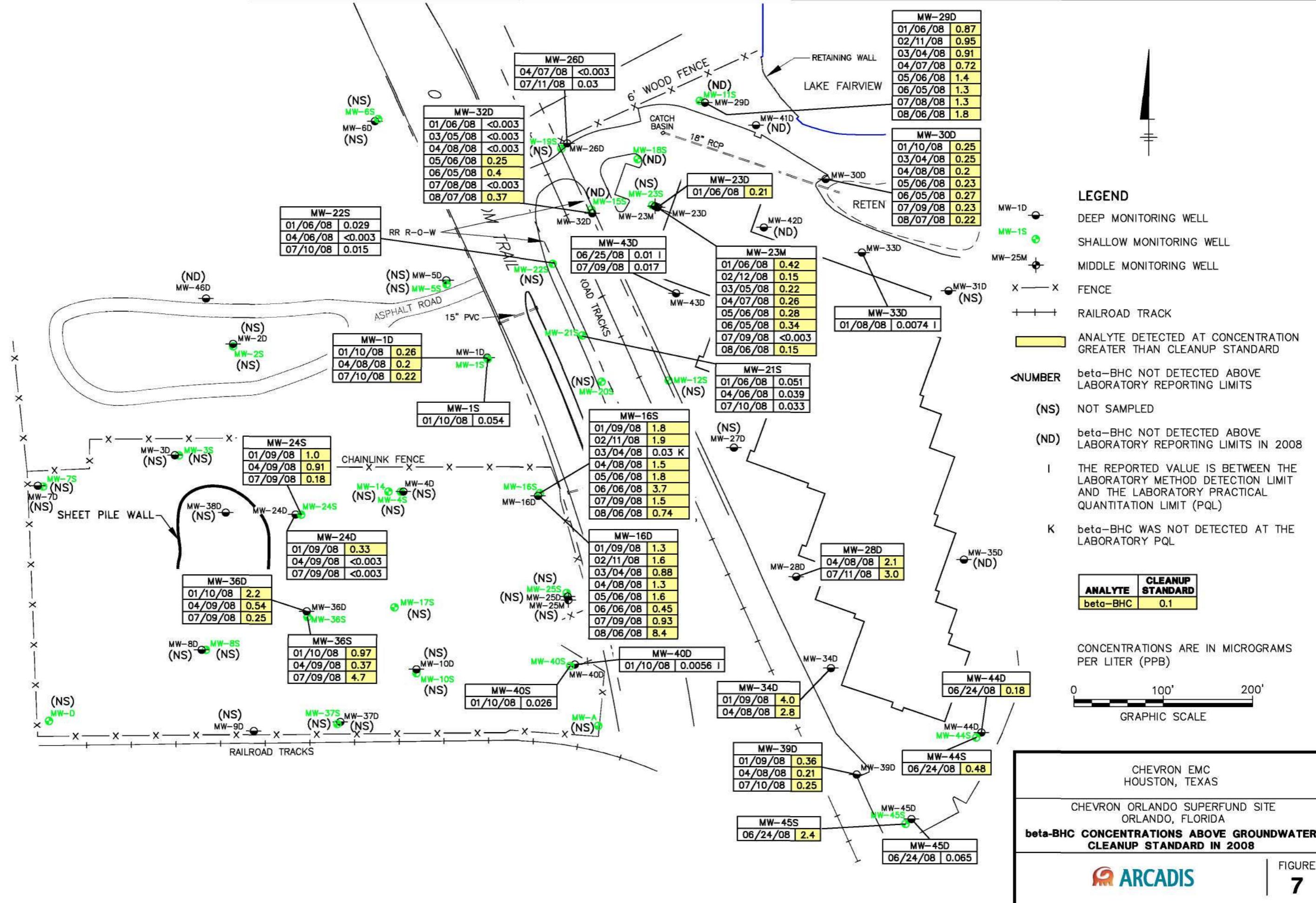


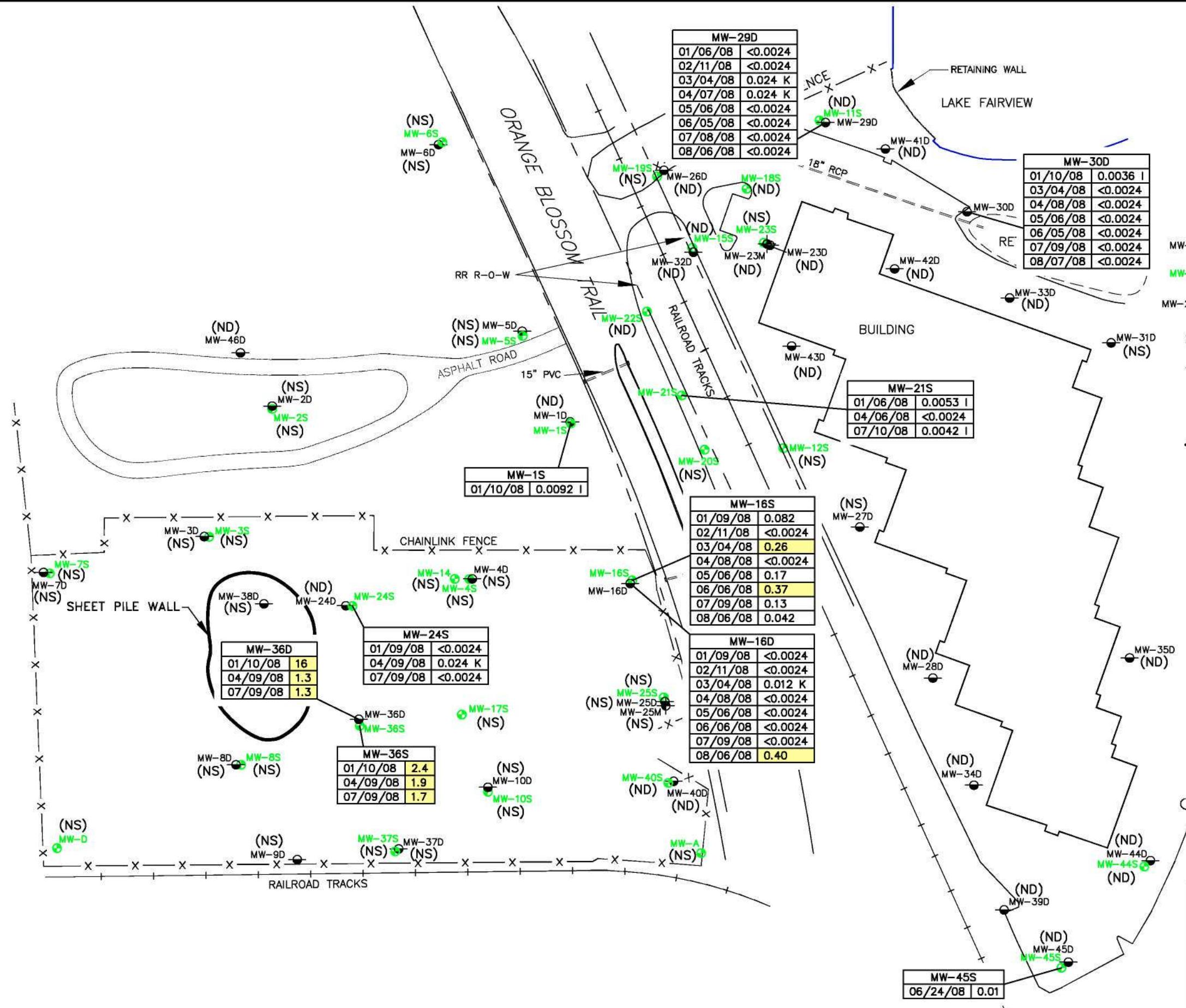
This map is a user-generated static output from the Orange County Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.











LEGEND

- MW-1D:** DEEP MONITORING WELL
- MW-1S:** SHALLOW MONITORING WELL
- MW-25M:** MIDDLE MONITORING WELL
- X—X:** FENCE
- + + +:** RAILROAD TRACK
- :** ANALYTE DETECTED AT CONCENTRATION GREATER THAN CLEANUP STANDARD
- (NS):** LINDANE NOT DETECTED ABOVE LABORATORY REPORTING LIMITS
- (ND):** NOT SAMPLED
- I:** LINDANE NOT DETECTED ABOVE LABORATORY REPORTING LIMITS IN 2008
- K:** THE REPORTED VALUE IS BETWEEN THE LABORATORY METHOD DETECTION LIMIT AND THE LABORATORY PRACTICAL QUANTITATION LIMIT (PQL)
- L:** LINDANE WAS NOT DETECTED AT THE LABORATORY PQL

ANALYTE	CLEANUP STANDARD
LINDANE	0.2

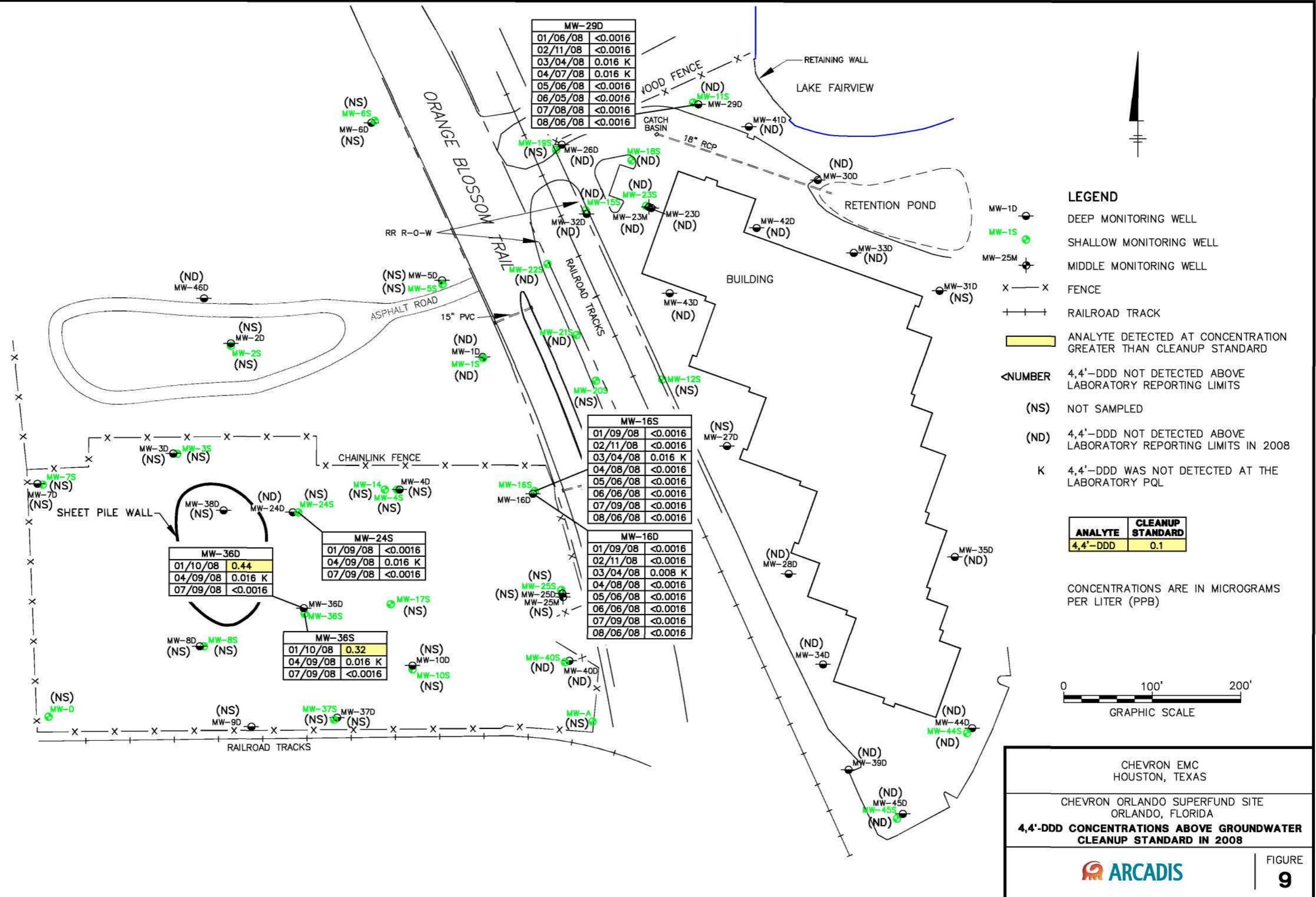
CONCENTRATIONS ARE IN MICROGRAMS PER LITER (PPB)

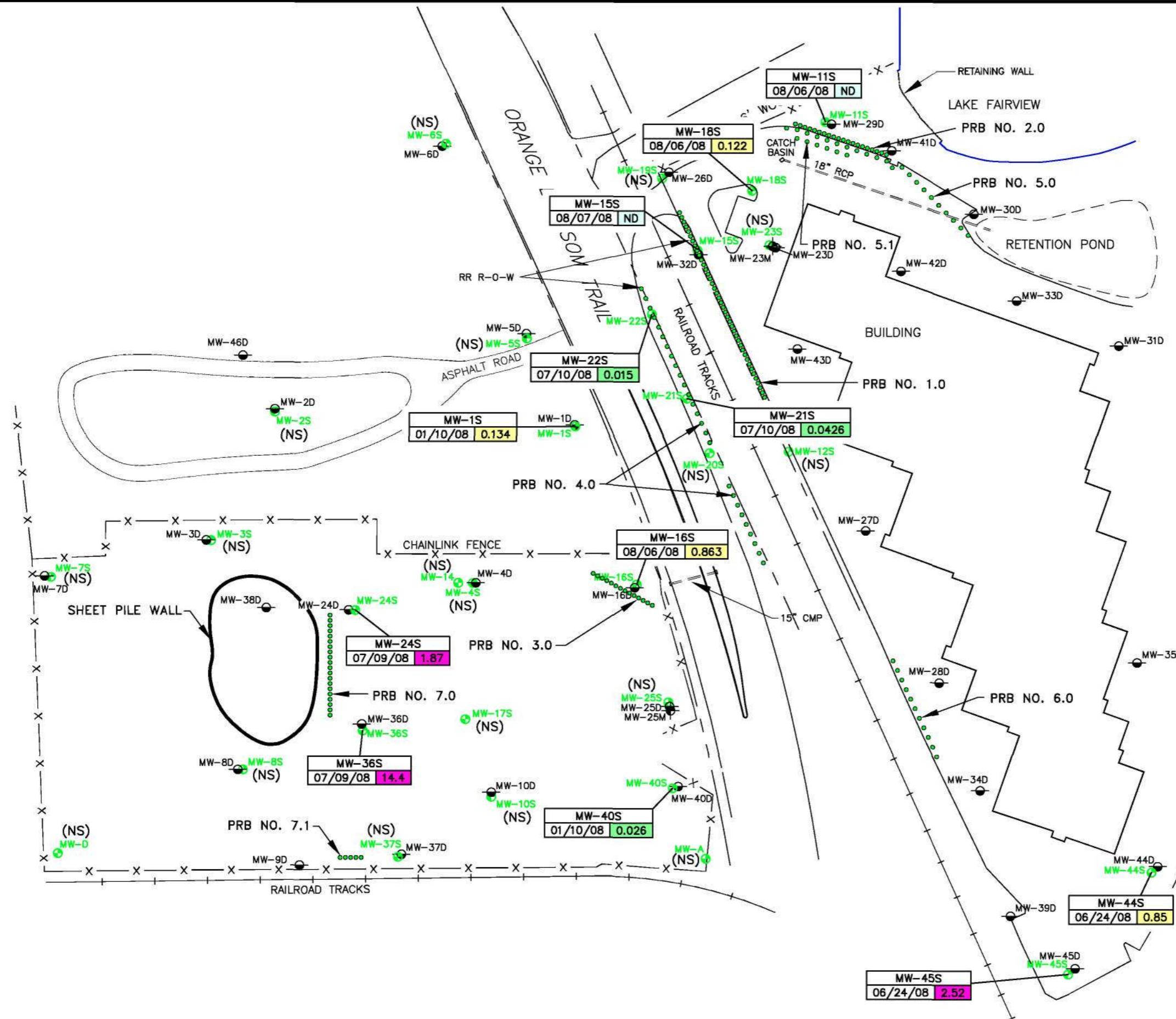
GRAPHIC SCALE: 0' 100' 200'

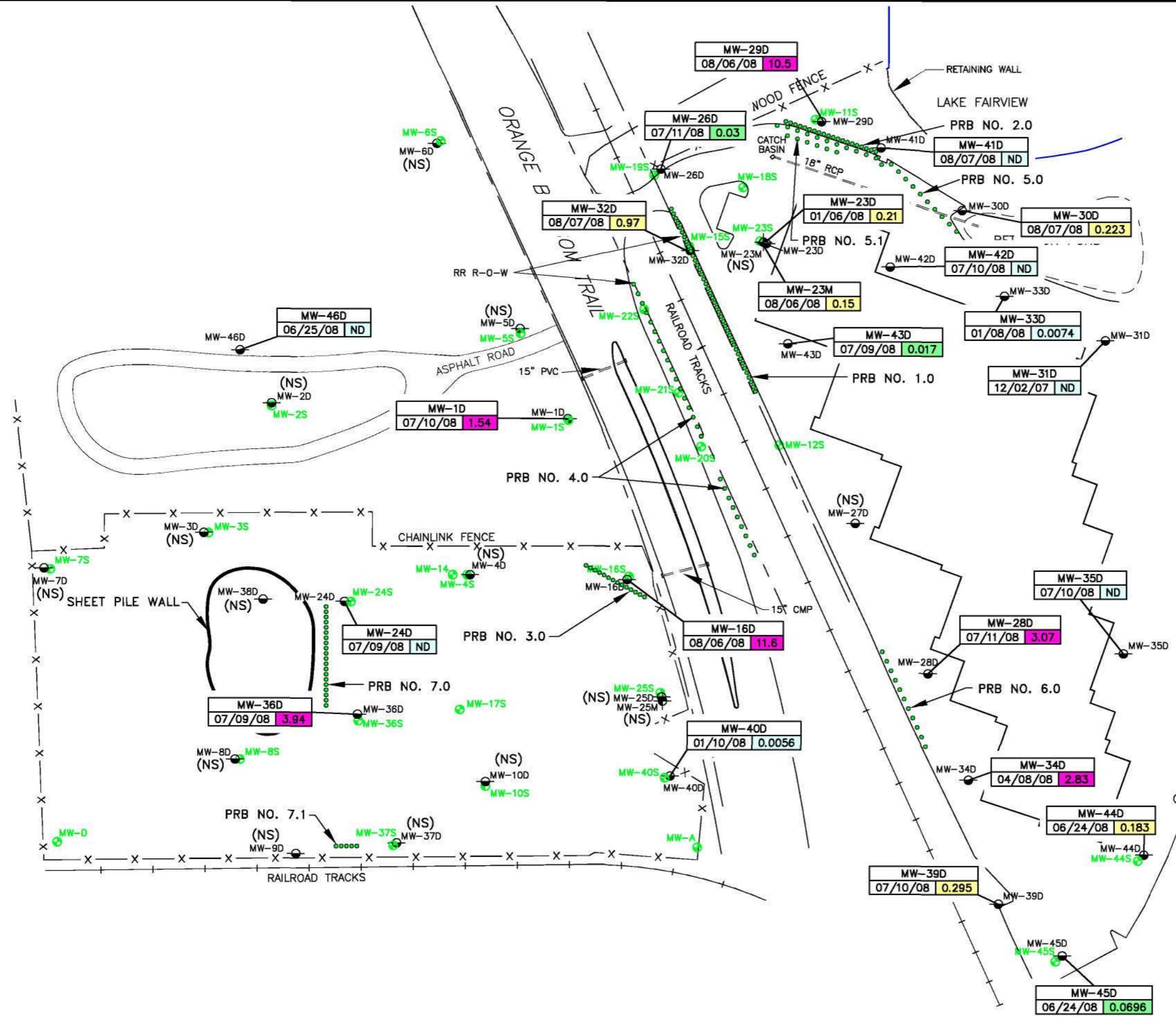
CHEVRON EMC
HOUSTON, TEXAS

CHEVRON ORLANDO SUPERFUND SITE
ORLANDO, FLORIDA

LINDANE CONTRACTIONS ABOVE GROUNDWATER CLEANUP STANDARD IN 2008







LEGEND

- MW-1D DEEP MONITORING WELL
- MW-1S SHALLOW MONITORING WELL
- MW-25M MIDDLE MONITORING WELL
- X—X FENCE
- +--- RAILROAD TRACK
- EXISTING INJECTION POINT
- (NS) NOT SAMPLED

TOTAL BHC CONCENTRATION IN $\mu\text{g}/\text{L}$

2.13	1-10 OR >10
0.163	0.1-1.0
0.0426	0.01-0.1
ND	ND OR <0.01

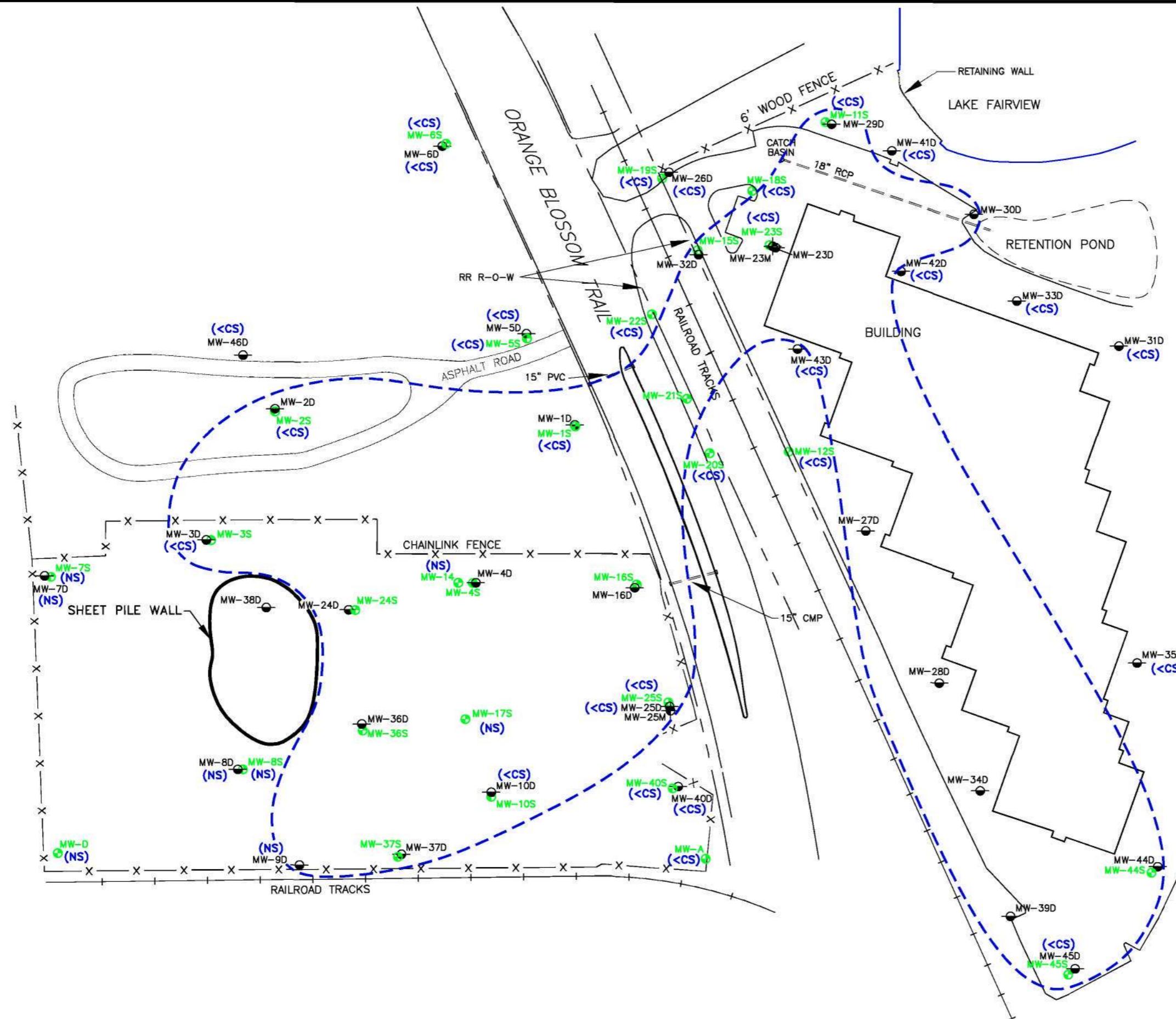
$\mu\text{g}/\text{L}$ = MICROGRAMS PER LITER

0 100' 200'
GRAPHIC SCALE

BASE MAP IS FROM LD BRADLEY LAND SURVEYORS, FILE NUMBER 98383, NO DATE, AT A SCALE OF 1"=100'.

CHEVRON EMC
HOUSTON, TEXAS

CHEVRON ORLANDO SUPERFUND SITE
ORLANDO, FLORIDA
**TOTAL BHC CONCENTRATIONS IN
DEEP GROUNDWATER**



LEGEND

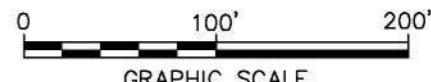
- MW-1D** DEEP MONITORING WELL
- MW-1S** SHALLOW MONITORING WELL
- MW-25M** MIDDLE MONITORING WELL
- X — X** FENCE
- + + +** RAILROAD TRACK
- — —** APPROXIMATE BOUNDARY OF GROUNDWATER SAMPLES EXCEEDING SITE-SPECIFIC CLEANUP STANDARDS (CS) IN 2007 AND/OR 2008

ANALYTE	CLEANUP STANDARD
alpha-BHC	0.05
beta-BHC	0.1
Lindane	0.2
4,4'-DDD	0.1

CONCENTRATIONS ARE IN MICROGRAMS PER LITER (PPB)

(NS) NOT SAMPLED IN 2007 OR 2008

(<CS) SAMPLES COLLECTED IN 2007 AND/OR 2008 DID NOT EXCEED CLEANUP STANDARDS



BASE MAP IS FROM LD BRADLEY LAND SURVEYORS, FILE NUMBER 98383, NO DATE, AT A SCALE OF 1"=100'.

CHEVRON EMC
HOUSTON, TEXAS

CHEVRON ORLANDO SUPERFUND SITE
ORLANDO, FLORIDA

LATERAL EXTENT OF SELECTED PESTICIDE IMPACTS IN GROUNDWATER IN 2007/2008

ARCADIS



Appendix A

Prepared by/return to:

R. PAUL ROECKER, Esquire
Greenberg Traurig P.A.
111 N. Orange Ave., Suite 2050
Orlando, Florida 32801



Orange Co FL 2000-0068398
02162000 03:15:55pm
OR Bk 5943 Pg 4978
Rec 19.50

Declaration of Covenants, Conditions, Restrictions and Releases

THIS DECLARATION OF COVENANTS, CONDITIONS, RESTRICTIONS AND RELEASES (this "Declaration") is made as of the 1st day of January, 2000, by CHEVRON CHEMICAL COMPANY LLC, a Delaware limited liability company ("Chevron").

RECITALS

- A. Chevron is the fee simple owner of that certain real property located in Orange County, Florida, (the "Property"), being more particularly described as 4.39 acres, more or less, in Section 15, Township 22 South, Range 29 East, and bearing the municipal address 3100 North Orange Blossom Trail, Orlando, Florida. The Property is further identified by the United States Environmental Protection Agency ("EPA") as Superfund Site number 0400520, and by the Florida Department of Environmental Protection ("FDEP") as facility number 110.
- B. From approximately 1950 until 1976, Chevron handled, blended and packaged various pesticides on the Property (hereinafter sometimes referred to as the "Prior Use").
- C. In 1990, Chevron and EPA executed an Administrative Order on Consent with respect to the Property, under the terms of which Chevron performed remedial action on and underlying the Property to satisfy requirements of EPA as set forth in said administrative order; and
- D. EPA issued a Unilateral Administrative Order effective August 7, 1997, setting forth various tasks for Chevron to perform on and underlying the Property, and setting forth dates for completion of such tasks; and
- E. Chevron desires to institute covenants, conditions and restrictions affecting the Property, in accordance with EPA's requirements from the Record of Decision and subsequent orders.

NOW THEREFORE, Chevron hereby declares that the Property and all portions thereof shall be and are hereby, made subject to this Declaration and the provisions and restrictions

hereinafter set forth, which Declaration, provisions and restrictions shall run with title to the Property and all portions thereof:

1. The above captioned recitals are incorporated herein by reference. Although Chevron believes that the matters set forth in the recitals are true and correct, Chevron makes no representations or warranties as to their accuracy or the completeness of same. Instead, the recitals are intended to place prospective purchasers of the Property on notice of the Prior Use and the reasons for the restrictions placed on the use of the Property herein, in order that such prospective purchasers may conduct due diligence and satisfy themselves of the Property condition and its suitability for their intended use.

2. The Property shall be used solely for industrial or manufacturing purposes, or for commercial purposes, excluding, however, any use or business involving temporary or permanent housing of individuals, including but not limited to homes, mobile homes, hotels, motels, apartments, hospitals, nursing and residential care facilities, residential mental retardation, mental health and substance abuse facilities, community care facilities for the elderly, retirement communities, community housing services, or temporary shelters, and further excluding commercial facilities involving the extended presence of minors on the Property, such as schools, parks or day-care facilities.

3. The groundwater under the Property shall not be accessed or used for any purpose whatsoever, including, but not limited to, for drinking, cooking, irrigation or bathing, until said groundwater meets all applicable and relevant or appropriate requirements of EPA and the State of Florida Department of Environmental Protection; provided, however, that Chevron, or any entity acting on Chevron's behalf, may access and use the water on the Property to conduct periodic testing for determining contaminant levels therein.

4. CHEVRON MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, OF ANY KIND OR NATURE WHATSOEVER, WITH RESPECT TO THE PROPERTY, AND ALL SUCH REPRESENTATIONS AND WARRANTIES ARE HEREBY DISCLAIMED. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, CHEVRON MAKES NO EXPRESS OR IMPLIED WARRANTY OF SUITABILITY, HABITABILITY OR FITNESS OF THE PROPERTY FOR A PARTICULAR PURPOSE OR USE OR FOR ANY USE, INCLUDING, WITHOUT LIMITATION, A PERMITTED USE, OR AS TO THE MERCHANTABILITY, VALUE, QUALITY, CONDITION OR SALABILITY OF THE PROPERTY, NOW OR IN THE FUTURE.

OR BK 5943 Pg 4979
Orange Co FL 2000-0068398

5. a. This Declaration, and the provisions, conditions, covenants, restrictions, obligations and releases set forth herein, shall run with title to the Property and all portions thereof and be binding upon the Property and the Purchasers from time to time of the Property and any and all portions thereof for an initial period commencing on the date hereof and expiring on the date which is fifty (50) years from the date hereof; provided, however, that Chevron may, in Chevron's sole, absolute and unfettered discretion, elect to extend such initial fifty (50) year period for up to five (5) additional periods of ten (10) years each (the initial fifty (50) year period

together with all extension periods which Chevron elects to exercise being referred to collectively as the "Term") by recording, in the appropriate Public Records of Orange County, a document entitled Extension of Declaration of Covenants, Conditions, Restrictions and Releases prior to the expiration of the initial fifty (50) year period of the Term and prior to the expiration of each successive ten (10) year extension period. Upon the expiration of the Term (as the same may have been extended as aforesaid) all provisions of this Declaration shall terminate, be null and void and of no further force and effect.

b. Notwithstanding paragraph 5.a. above, once Chevron, its successors or assigns have satisfied EPA and FDEP target levels in soil and groundwater, as specified in the Record of Decision and subsequent orders or other amendments, then Chevron, its successors or assigns may rescind the restrictions set forth in this Declaration by recording an instrument so stating in the official record of Orange County, Florida.

6. This Declaration may be enforced by Chevron, its successors and assigns, through injunctive action in addition to any other remedies available under law.

7. This Declaration shall be governed by, construed, interpreted and enforced under and in accordance with the laws of the State of Florida, and, if applicable, the laws of the United States of America.

IN WITNESS WHEREOF, Chevron has caused this Declaration to be executed by its duly authorized officer or other representative as of the date first written above.

OR Bk 5943 Pg 4980
Orange Co FL 2000-0060398

WITNESSES:

H.P. Walker
C.C. Lantz

CHEVRON CHEMICAL COMPANY LLC,
a Delaware limited liability company

By: H.P. Walker
Print Name H. P. WALKER
Title: Assistant Secretary
Corporate Seal



State of California
City and
County of San Francisco

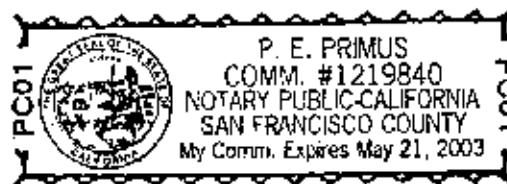
) OR Bk 5943 Pg 4981
) ss Orange Co. FL 2000-0068398
} Recorded Martha D. Haynie

On February 14, 2000, before me, **P. E. PRIMUS**, a Notary Public in and for the State of California, personally appeared **H. P. Walker**, Assistant Secretary of Chevron Chemical Company LLC, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he or she executed the within instrument in his or her authorized capacity, and that by his or her signature on the within instrument, the person or the entity upon behalf of which the person acted executed the within instrument.

WITNESS my hand and official seal.



Commission Expires: May 21, 2003





Appendix B

EXPLANATION OF SIGNIFICANT DIFFERENCES



SITE: Chevron-Ortho
BREAK: 5.9 V6
OTHER: _____

CHEVRON CHEMICAL COMPANY ORLANDO, ORANGE COUNTY, FLORIDA

Region 4

July 2000

Introduction

This Explanation of Significant Differences (ESD) for the Chevron Chemical Company Site in Orlando, Florida, has been prepared by the Region 4 Office of the United States Environmental Protection Agency (EPA). The purpose of this ESD is to document significant changes in the remedy selected in the Record of Decision (ROD) for the Site.

This ESD is being issued as part of EPA's public participation responsibilities under Section 117(c) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA), and Section 300.435(c)(2)(i) of the National Contingency Plan (NCP), 40 CFR Part 300.

The Administrative Record contains documents used as the basis for remedy selection at the site, including the ROD and Responsiveness Summary. This ESD will become part of the Administrative Record in accordance with Section 300.825(a)(2) of the National Contingency Plan. The Administrative Record documents are available for public review and copying in the Chevron Chemical Company Site information repository located at the following address:

Orlando Public Library
Edgewater Branch
6250 Edgewater Drive
Orlando, Florida 32810
(407) 295-3613

10478045

Site Background

The Chevron Orlando site is located at 3100 North Orange Blossom Trail (Highway 441) in Orlando, Florida. At this location, the Chevron Chemical Company operated a pesticide formulation plant between 1950 and 1976. The facility received unblended products in bulk liquid and powder form and blended the products to make pesticides and nutritional sprays for bulk wholesale distribution. Chevron Chemical operated at this location until 1976.

In 1978, the property was sold and Central Florida Mack Trucks, a truck sales and service company, began operations at the Site. Central Florida Mack Trucks repaired and serviced diesel engine trucks at the Site until November 1986.

From 1982 until 1989, several investigations were conducted to assess the conditions at the site. The results of these studies indicated the presence of pesticides, volatile organic compounds (VOCs), and metals in the soil and/or groundwater.

In 1990 EPA and Chevron signed an Administrative Order on Consent (AOC) to further assess the Site and conduct a removal action. The removal action focused on the removal of material which could be a source of groundwater contamination or a risk to human health. This included the soil in the rinsate pond area, along the railroad spur, and soil adjacent to the historic aboveground storage tank area.

The Agency for Toxic Substances and Disease Registry (ATSDR) defined the removal action goals and cleanup levels for the soils on site to be protective of human health via the inhalation and dermal contact routes of exposure. The ATSDR goals required removal of shallow soils (0- to 1-foot below land surface) with chlorinated pesticide concentrations in excess of 50 milligrams per kilogram (mg/kg), and removal of deeper soils (1-foot to the water table) with chlorinated pesticide concentrations in excess of 100 mg/kg. ATSDR recommended the use of chlordane as an indicator chemical because chlordane was considered the most prevalent and most toxic compound to humans and was found in the highest concentrations.

The removal action was conducted from December 1991 through September 1992. All site structures were demolished and removed. Approximately 17,780 tons of pesticide contaminated soil were excavated and sent off-site for disposal; 4,900 tons of petroleum contaminated soil were excavated and treated; and 126,000 gallons of recovered stormwater and groundwater were treated and discharged into an on site infiltration trench. All of the excavated areas were backfilled with clean soil and the site was graded and seeded.

In April 1993, Chevron and EPA entered into another AOC to conduct a remedial investigation and feasibility study (RI/FS) to evaluate groundwater contamination at the Site and potential soil contamination in the adjacent trailer park and areas of off-site drainage.

Soil sampling was conducted in two phases at the Armstrong Trailer Park. Based on the results of the sampling, a removal action was conducted at the trailer park during March and April 1994. The soil cleanup level for this removal was 4.9 ppm of chlordane. Approximately 230 tons of contaminated soil were excavated from the trailer park.

Groundwater sampling was also conducted in phases during the RI. Nine existing monitoring wells were sampled in April 1993. Seventeen additional wells were installed and subsequently sampled during September and October 1993.

Selected Remedy

On May 22, 1996, EPA signed a Record of Decision (ROD) for the Site. The ROD describes the contamination at the Site and the selected cleanup method for the Site. A public meeting and thirty day public comment period were held prior to finalizing the ROD. EPA responded to all substantive public comments in a Responsiveness Summary at the end of the ROD. The selected remedy includes:

- Monitored natural attenuation of the groundwater until the cleanup levels are achieved.
- A contingency plan that includes the installation of a subsurface filter wall if natural attenuation does not continue as expected. Additional enhancements, such as limited air sparging, hydraulic gradient control, or source removal to be implemented if necessary.
- Institutional controls in the form of deed restrictions to limit use of the groundwater.

Explanation of Significant Differences

The purpose of this ESD is to document significant changes in the remedy selected in the ROD for the Site. The primary change being documented in this ESD is in regard to the groundwater cleanup standards for ethylbenzene and xylene.

When the ROD was written, it was thought that ethylbenzene and xylene may have been adding to the mobility in the groundwater of the BHC isomers in a phenomena known as cosolvency. It was thought that levels of ethylbenzene and xylene below the primary, health based standards may have been increasing the solubility of the BHC isomers, making them more mobile in the groundwater at the Site. Therefore, instead of specifying the primary standards as cleanup goals for the protection of human health, the ROD specified the more stringent, secondary standards as the cleanup standards for ethylbenzene and xylene to attempt to address any cosolvency issues. Secondary drinking water standards address undesirable properties of water such as color, odor, and amount of dissolved solids. These standards are not based on health threats but rather on the appearance or desirability of drinking water.

In February 2000, a report titled "*An Evaluation of the Effect of Xylene on Putative Lindane Cosolvency in Chevron Orlando, Florida Site Groundwater*", documented the results of a study funded by Chevron to evaluate the effect of xylene on the mobility of lindane, a BHC isomer. In this study, which was conducted with groundwater actually taken from the Site, it was found that concentrations of xylene as high as an order of magnitude above those present at the Site had no effect on lindane solubility. Therefore, the report concluded that xylene does not act as a cosolvent to increase the lindane solubility at the Site. This report was submitted to EPA and to the Florida Department of Environmental Protection (FDEP).

Recognizing that the results are site specific and subject to the limitation of the testing protocol, both agencies concur with the conclusions of the report.

Therefore, requiring secondary standards as cleanup standards for ethylbenzene and xylene is no longer deemed appropriate at the Chevron Site. The appropriate cleanup standards are the primary cleanup standards which were developed for the protection of human health.

This ESD changes the cleanup standards specified in the ROD for ethylbenzene from the secondary standard of 30 ug/l to the primary standard of 700 ug/l and the cleanup standard for xylene from the secondary standard of 20 ug/l to the primary standard of 10,000 ug/l. All other cleanup standards specified in the ROD for the Site remain unchanged.

Statutory Determination

The changes to the ROD documented in this ESD are considered to be protective of human health and the environment, comply with Federal and State requirements that are applicable or relevant and appropriate to this remedial action, are cost effective, and use permanent solutions to the maximum extent practicable for this Site.

Next Steps

Groundwater sampling will continue in order to monitor the progress of natural attenuation until the cleanup standards are reached.

Who Can You Call For Answers?

If you have a question about activities on the Site, please call Bill Denman, the EPA project manager. He can be reached at (800)435-9234 or via email at denman.bill@epa.gov.



United States
Environmental Protection
Agency

South Site
Management Branch

Region 4

61 Forsyth Street, SW
Atlanta, Georgia, 30303

Official Business
Penalty for Private Use
\$300

Bill Denman
Remedial Project Manager

INSIDE:
CHEVRON
CHEMICAL
SUPERFUND
FACT SHEET



Appendix C

Orlando Sentinel

Published Daily

State of Florida } S.S.
COUNTY OF ORANGE }

Before the undersigned authority personally appeared Beverly C. Simmons, who on oath says that he/she is the Legal Advertising Representative of Orlando Sentinel, a daily newspaper published at Orlando in Orange County, Florida; that the attached copy of advertisement, being a Public Notice in the matter of Five Year Review In the Orange Court, was published in said newspaper in the issue; of 11/23/07.

Affiant further says that the said Orlando Sentinel is a newspaper published at Orlando, in said Orange County, Florida, and that the said newspaper has heretofore been continuously published in said Orange County, Florida, each Week Day and has been entered as second-class mail matter at the post office in Orlando in said Orange County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

The foregoing instrument was acknowledge before me this 26 day of November, 2007, by Beverly C. Simmons, who is personally known to me and who did take an oath.

(SEAL)

Order# 555340

U. S. Environmental Protection Agency, Region 4 Assessments & Five-Year Review for the Chevron Chemical Company Superfund Site Orlando, Florida

Purpose/Objective: The US Environmental Protection Agency (EPA) is conducting a Five-Year Review of the remedy for soil and groundwater associated with the Chevron Chemical Company Site in Orlando, Florida. The Site, which covers 4.39 acres, is located at 3100 North Orange Blossom Trail (U.S. Highway 441). The purpose of the Five-Year Review is to ensure that the selected clean-up actions continue to protect human health and the environment.

Site Background: Operations at the Chevron Chemical Company Site included a pesticide formulation facility between 1950 and 1976 and a truck sales and service company from 1978 to 1982. During investigations conducted in the early 1990s, contaminants were detected in the soil and groundwater at the site. A removal action was conducted in 1992 which resulted in the removal of site structures and the excavation and offsite disposal of 17,780 tons of pesticide contaminated soil. In January 1994, the site was placed on EPA's National Priority List (NPL). Contaminants of potential concern included pesticides, metals, and hydrocarbons. A Remedial Investigation/Feasibility Study (RI/FS) to further characterize the extent of soil and groundwater contamination and to investigate potential remedies for the site was initiated in 1993. EPA issued the Record of Decision (ROD) for the site in 1996. The selected remedy included institutional control of institutional controls and monitored natural attenuation of contaminated groundwater.

Five-Year Review Schedule: The National Contingency Plan requires that remedial actions which result in any hazardous substances, pollutants, or contaminants remaining at the Site above levels that allow for unlimited use and unrestricted exposure be reviewed every five years to ensure protection of human health and the environment. The first Five-Year Review was completed in 2003 and determined that the remedy remained protective of human health and the environment and continued to meet state and federal standards. This is the second five-year review for this site.

EPA invites community participation in the Five-Year Review process.

The EPA is conducting a Five-Year Review to evaluate the effectiveness of the remedy and ensure that the remedy remains protective of human health and the environment. As part of the Five-Year Review process, the EPA will be available to answer any questions about the Site. Community members who have questions about the Site, the Five-Year Review process, or who would like to participate in a community interview, are asked to contact the Remedial Project Manager:

William C. Deeman
U.S. EPA, Region 4
61 Forsyth St. (11th Floor)
Atlanta, GA 30303-0236
Phone: 404-429-5234
Deeman.Bill@epa.gov

The EPA plans to complete the Five-Year Review process in about four months and comments are welcome during this time. More information about the Site may be found at the Edgewater Public Library at 5049 Edgewater Drive in Orlando, Florida, or online at <http://www.epa.gov/region4/waste/npl/pdfs/chevrnfl.htm>.
COR555340 11/23/07



Appendix D

Appendix D: List of Documents Reviewed

- ARCADIS BBL. 2006. Revised pilot test work plan. November 9.
- ARCADIS BBL. 2007. Site status update. Chevron Orlando Superfund Site. May 31.
- ARCADIS BBL. 2007. Site status update. Chevron Orlando Superfund Site. October 18.
- ARCADIS BBL. 2007. Site status update. Chevron Orlando Superfund Site. August 23.
- ARCADIS BBL. 2007. PRB pilot test report. September.
- ARCADIS BBL. 2007. Pilot test work plan addendum. October 23.
- Black & Veatch. 1995. Baseline risk assessment for Chevron Orlando Site, Orlando, Florida. Conducted for the US Environmental Protection Agency, Region IV.
- EPA. 1996. Record of Decision (ROD). Issued by EPA to Chevron on May 22.
- EPA. 2001. Comprehensive five-year review guidance. EPA 540-R-01-007; OSWER No. 9355.7-03B-P. Washington, DC: US Environmental Protection Agency, Office of Emergency and Remedial Response.
- Geomega. 2003. First five-year review for Chevron Chemical Company Site, Orlando, Florida. Prepared for US EPA. Boulder, CO: Geomega Inc.



Appendix E

Five-Year Review Site Inspection Checklist

I. SITE INFORMATION													
Site name: Chevron Chemical Company Site	Date of inspection: December 13, 2007												
Location and Region: Orlando, Florida, Region IV	EPA ID: FLD004064242												
Agency, office, or company leading the five-year review: EPA	Weather/temperature: cool, clear												
Remedy Includes: (Check all that apply) <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"> Landfill cover/containment </td> <td style="width: 70%; text-align: right;"> <input type="checkbox"/> Monitored natural attenuation </td> </tr> <tr> <td> <input checked="" type="checkbox"/> Access controls </td> <td style="text-align: right;"> Groundwater containment </td> </tr> <tr> <td> <input checked="" type="checkbox"/> Institutional controls </td> <td style="text-align: right;"> Vertical barrier walls </td> </tr> <tr> <td colspan="2" style="text-align: center; padding-top: 5px;"> Groundwater pump and treatment </td> </tr> <tr> <td colspan="2" style="text-align: center; padding-top: 5px;"> Surface water collection and treatment </td> </tr> <tr> <td colspan="2" style="text-align: center; padding-top: 5px;"> Other _____ _____ </td> </tr> </table>		Landfill cover/containment	<input type="checkbox"/> Monitored natural attenuation	<input checked="" type="checkbox"/> Access controls	Groundwater containment	<input checked="" type="checkbox"/> Institutional controls	Vertical barrier walls	Groundwater pump and treatment		Surface water collection and treatment		Other _____ _____	
Landfill cover/containment	<input type="checkbox"/> Monitored natural attenuation												
<input checked="" type="checkbox"/> Access controls	Groundwater containment												
<input checked="" type="checkbox"/> Institutional controls	Vertical barrier walls												
Groundwater pump and treatment													
Surface water collection and treatment													
Other _____ _____													
Attachments: Site map attached													
II. INTERVIEWS (Check all that apply)													
1. O&M site manager <u>Susan Tobin</u> _____ President/TASK Environmental, Inc. <u>12/13/07</u>													
Name _____	Title _____												
Interviewed at site at office by phone _____ Phone no. _____													
Problems, suggestions; Report attached _____ _____													
2. O&M staff _____ Date													
Name _____	Title _____												
Interviewed at site at office by phone _____ Phone no. _____													
Problems, suggestions; Report attached _____ _____													

3. **Local regulatory authorities and response agencies** (i.e.. State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.) Fill in all that apply.

Agency FDEP

Contact Name _____

Title _____

Date _____

Phone no. _____

Problems; suggestions: Report attached Yes _____

4. **Other interviews:**

Local resident and local business owner. Reports provided.

III. ON-SITE DOCUMENTS & RECORDS VERIFIED (Check all that apply)					
1.	O&M Documents				
	O&M manual	Readily available	Up to date	N/A	
	As-built drawings	Readily available	Up to date	N/A	
	Maintenance logs	Readily available	Up to date	N/A	
	Remarks _____				
2.	Site-Specific Health and Safety Plan	Readily available	Up to date	N/A	
	Contingency plan/emergency response plan	Readily available	Up to date	N/A	
	Remarks _____				
3.	O&M and OSHA Training Records	Readily available	Up to date	N/A	
	Remarks _____				
4.	Permits and Service Agreements				
	Air discharge permit	Readily available	Up to date	N/A	
	Effluent discharge	Readily available	Up to date	N/A	
	Waste disposal, POTW	Readily available	Up to date	N/A	
	Other permits _____	Readily available	Up to date	N/A	
	Remarks _____				
5.	Gas Generation Records	Readily available	Up to date	N/A	
	Remarks _____				
6.	Settlement Monument Records	Readily available	Up to date	N/A	
	Remarks _____				
7.	Groundwater Monitoring Records	Readily available	Up to date	N/A	
	Remarks _____				
8.	Leachate Extraction Records	Readily available	Up to date	N/A	
	Remarks _____				
9.	Discharge Compliance Records				
	Air	Readily available	Up to date	N/A	
	Water (effluent)	Readily available	Up to date	N/A	
	Remarks _____				
10.	Daily Access/Security Logs	Readily available	Up to date	N/A	
	Remarks _____				

IV. O&M COSTS**1. O&M Organization**

State in-house	Contractor for State
PRP in-house	Contractor for PRP
Federal Facility in-house	Contractor for Federal Facility
Other _____	

2. O&M Cost Records

Readily available _____ Up to date _____
Funding mechanism/agreement in place _____
Original O&M cost estimate _____ Breakdown attached _____

Total annual cost by year for review period if available

Date	Total cost	
2003	81,000 \$	Breakdown attached
Date	Total cost	
2004	153,000 \$	Breakdown attached
Date	Total cost	
2005	173,000 \$	Breakdown attached
Date	Total cost	
2006	604,000 \$	Breakdown attached
Date	Total cost	
2007	81,000 \$	Breakdown attached

3. Unanticipated or Unusually High O&M Costs During Review Period

Describe costs and reasons: Additional costs incurred due to detection of BHCs in groundwater samples collected from the sentinel monitor wells.

V. ACCESS AND INSTITUTIONAL CONTROLS Applicable N/A**A. Fencing**

1. Fencing damaged Location shown on site map Gates secured N/A
Remarks Fence in good repair.

B. Other Access Restrictions

1. Signs and other security measures Location shown on site map N/A
Remarks No signs present on fence.

C. Institutional Controls (ICs)**1. Implementation and enforcement**

Site conditions imply ICs not properly implemented Yes No N/A
Site conditions imply ICs not being fully enforced Yes No N/A

Type of monitoring (e.g., self-reporting, drive by) N/A

Frequency N/A

Responsible party/agency _____

Contact _____

Name	Title	Date	Phone no.
------	-------	------	-----------

Reporting is up-to-date Yes No N/A
Reports are verified by the lead agency Yes No N/A

Specific requirements in deed or decision documents have been met Yes No N/A
Violations have been reported Yes No N/A

Other problems or suggestions: Report attached

2. Adequacy ICs are adequate ICs are inadequate

N/A

Remarks _____

D. General**1. Vandalism/trespassing** Location shown on site map No vandalism evident

Remarks Fence is cut periodically in an area on southwest side of site.

2. Land use changes on site N/A

Remarks _____

3. Land use changes off site N/A Remarks Trailer parks to the north of the site have closed. These properties were purchase by the lumber company located to the northwest of the site. The proposed land use is commercial.

VI. GENERAL SITE CONDITIONS**A. Roads** Applicable N/A**1. Roads damaged** Location shown on site map Roads adequate N/A

Remarks _____

B. Other Site Conditions

Remarks The site is mowed and is well maintained.

VII. LANDFILL COVERS Applicable **N/A****A. Landfill Surface**1. **Settlement** (Low spots) Location shown on site map Settlement not evident

Areal extent _____ Depth _____

Remarks _____
_____2. **Cracks** Location shown on site map Cracking not evident

Lengths _____ Widths _____ Depths _____

Remarks _____
_____3. **Erosion** Location shown on site map Erosion not evident

Areal extent _____ Depth _____

Remarks _____
_____4. **Holes** Location shown on site map Holes not evident

Areal extent _____ Depth _____

Remarks _____
_____5. **Vegetative Cover** Grass Cover properly established No signs of stress

Trees/Shrubs (indicate size and locations on a diagram)

Remarks _____
_____6. **Alternative Cover (armored rock, concrete, etc.)** **N/A**Remarks _____
_____7. **Bulges** Location shown on site map Bulges not evident

Areal extent _____ Height _____

Remarks _____

8. Wet Areas/Water Damage Wet areas/water damage not evident			
Wet areas	Location shown on site map	Areal extent _____	
Ponding	Location shown on site map	Areal extent _____	
Seeps	Location shown on site map	Areal extent _____	
Soft subgrade	Location shown on site map	Areal extent _____	
Remarks _____ _____			
9. Slope Instability Slides Location shown on site map No evidence of slope instability			
Areal extent _____			
Remarks _____ _____			
B. Benches Applicable N/A (Horizontally constructed mounds of earth placed across a steep landfill side slope to interrupt the slope in order to slow down the velocity of surface runoff and intercept and convey the runoff to a lined channel.)			
1. Flows Bypass Bench Location shown on site map N/A or okay			
Remarks _____ _____			
2. Bench Breached Location shown on site map N/A or okay			
Remarks _____ _____			
3. Bench Overtopped Location shown on site map N/A or okay			
Remarks _____ _____			
C. Letdown Channels Applicable N/A (Channel lined with erosion control mats, riprap, grout bags, or gabions that descend down the steep side slope of the cover and will allow the runoff water collected by the benches to move off of the landfill cover without creating erosion gullies.)			
1. Settlement Location shown on site map No evidence of settlement			
Areal extent _____ Depth _____			
Remarks _____ _____			
2. Material Degradation Location shown on site map No evidence of degradation			
Material type _____ Areal extent _____			
Remarks _____ _____			
3. Erosion Location shown on site map No evidence of erosion Areal extent _____			
Depth _____			
Remarks _____ _____			

4. Undercutting Location shown on site map No evidence of undercutting			
Areal extent _____ Depth _____			
Remarks _____			
5. Obstructions Type _____ No obstructions			
Location shown on site map		Areal extent _____	
Size _____			
Remarks _____			
6. Excessive Vegetative Growth Type _____			
No evidence of excessive growth			
Vegetation in channels does not obstruct flow			
Location shown on site map		Areal extent _____	
Remarks _____			
D. Cover Penetrations Applicable N/A			
1. Gas Vents Active Passive			
Properly secured/locked		Functioning Routinely sampled	
Evidence of leakage at penetration		Needs Maintenance Good condition	
N/A			
Remarks _____			
2. Gas Monitoring Probes			
Properly secured/locked		Functioning Routinely sampled	
Evidence of leakage at penetration		Needs Maintenance Good condition	
N/A			
Remarks _____			
3. Monitoring Wells (within surface area of landfill)			
Properly secured/locked		Functioning Routinely sampled	
Evidence of leakage at penetration		Needs Maintenance Good condition	
N/A			
Remarks _____			
4. Leachate Extraction Wells			
Properly secured/locked		Functioning Routinely sampled	
Evidence of leakage at penetration		Needs Maintenance Good condition	
N/A			
Remarks _____			
5. Settlement Monuments Located Routinely surveyed N/A			
Remarks _____			

E. Gas Collection and Treatment		Applicable	N/A									
<p>1. Gas Treatment Facilities</p> <table> <tr> <td>Flaring</td> <td>Thermal destruction</td> <td>Collection for reuse</td> </tr> <tr> <td>Good condition</td> <td>Needs Maintenance</td> <td></td> </tr> <tr> <td colspan="3">Remarks _____</td> </tr> </table>				Flaring	Thermal destruction	Collection for reuse	Good condition	Needs Maintenance		Remarks _____		
Flaring	Thermal destruction	Collection for reuse										
Good condition	Needs Maintenance											
Remarks _____												
<p>2. Gas Collection Wells, Manifolds and Piping</p> <table> <tr> <td>Good condition</td> <td>Needs Maintenance</td> <td></td> </tr> <tr> <td colspan="3">Remarks _____</td> </tr> </table>				Good condition	Needs Maintenance		Remarks _____					
Good condition	Needs Maintenance											
Remarks _____												
<p>3. Gas Monitoring Facilities (e.g., gas monitoring of adjacent homes or buildings)</p> <table> <tr> <td>Good condition</td> <td>Needs Maintenance</td> <td>N/A</td> </tr> <tr> <td colspan="3">Remarks _____</td> </tr> </table>				Good condition	Needs Maintenance	N/A	Remarks _____					
Good condition	Needs Maintenance	N/A										
Remarks _____												
F. Cover Drainage Layer		Applicable	N/A									
<p>1. Outlet Pipes Inspected Functioning N/A</p> <p>Remarks _____</p>												
<p>2. Outlet Rock Inspected Functioning N/A</p> <p>Remarks _____</p>												
G. Detention/Sedimentation Ponds		Applicable	N/A									
<p>1. Siltation Areal extent _____ Depth _____ N/A</p> <p>Siltation not evident</p> <p>Remarks _____</p>												
<p>2. Erosion Areal extent _____ Depth _____ N/A</p> <p>Erosion not evident</p> <p>Remarks _____</p>												
3. Outlet Works		Functioning	N/A									
<p>Remarks _____</p>												
4. Dam		Functioning	N/A									
<p>Remarks _____</p>												

H. Retaining Walls	Applicable	<input type="checkbox"/> N/A
<p>1. Deformations Location shown on site map Deformation not evident Horizontal displacement _____ Vertical displacement _____ Rotational displacement _____ Remarks _____</p> <hr/> <p>2. Degradation Location shown on site map Degradation not evident Remarks _____</p> <hr/>		
<p>I. Perimeter Ditches/Off-Site Discharge Applicable <input type="checkbox"/> N/A</p> <p>1. Siltation Location shown on site map Siltation not evident Areal extent _____ Depth _____ Remarks _____</p> <hr/> <p>2. Vegetative Growth Location shown on site map N/A Vegetation does not impede flow Areal extent _____ Type _____ Remarks _____</p> <hr/> <p>3. Erosion Location shown on site map Erosion not evident Areal extent _____ Depth _____ Remarks _____</p> <hr/> <p>4. Discharge Structure Functioning N/A Remarks _____</p> <hr/>		
<p>VIII. VERTICAL BARRIER WALLS Applicable <input type="checkbox"/> N/A</p> <p>1. Settlement Location shown on site map Settlement not evident Areal extent _____ Depth _____ Remarks _____</p> <hr/> <p>2. Performance Monitoring Type of monitoring _____ Performance not monitored Frequency _____ Evidence of breaching Head differential _____ Remarks _____</p> <hr/>		

IX. GROUNDWATER/SURFACE WATER REMEDIES	Applicable	N/A
A. Groundwater Extraction Wells, Pumps, and Pipelines Applicable N/A		
1. Pumps, Wellhead Plumbing, and Electrical		
Good condition	All required wells properly operating	Needs Maintenance
Remarks _____ _____ _____		
2. Extraction System Pipelines, Valves, Valve Boxes, and Other Appurtenances		
Good condition	Needs Maintenance	
Remarks _____ _____ _____		
3. Spare Parts and Equipment		
Readily available	Good condition	Requires upgrade
Needs to be provided Remarks _____ _____ _____		
B. Surface Water Collection Structures, Pumps, and Pipelines Applicable N/A		
1. Collection Structures, Pumps, and Electrical		
Good condition	Needs Maintenance	
Remarks _____ _____ _____		
2. Surface Water Collection System Pipelines, Valves, Valve Boxes, and Other Appurtenances		
Good condition	Needs Maintenance	
Remarks _____ _____ _____		
3. Spare Parts and Equipment		
Readily available	Good condition	Requires upgrade
Needs to be provided Remarks _____ _____ _____		

C. Treatment System	Applicable	<input type="checkbox"/> N/A
1. Treatment Train (Check components that apply)		
Metals removal	Oil/water separation	Bioremediation
Air stripping	Carbon adsorbers	
Filters _____		
Additive (e.g., chelation agent, flocculent) _____		
Others _____		
Good condition	Needs Maintenance	
Sampling ports properly marked and functional		
Sampling/maintenance log displayed and up to date		
Equipment properly identified		
Quantity of groundwater treated annually _____		
Quantity of surface water treated annually _____		
Remarks _____		

2. Electrical Enclosures and Panels (properly rated and functional)		
<input type="checkbox"/> N/A	Good condition	Needs Maintenance
Remarks _____		

3. Tanks, Vaults, Storage Vessels		
<input type="checkbox"/> N/A	Good condition	Proper secondary containment
Remarks _____		

4. Discharge Structure and Appurtenances		
<input type="checkbox"/> N/A	Good condition	Needs Maintenance
Remarks _____		

5. Treatment Building(s) <input type="checkbox"/> N/A Good condition (esp. roof and doorways) Needs repair		
Chemicals and equipment properly stored		
Remarks _____		

6. Monitoring Wells (pump and treatment remedy)		
Properly secured/locked	Functioning	Routinely sampled
All required wells located	Needs Maintenance	<input type="checkbox"/> N/A
Remarks _____		

D. Monitoring Data		
1. Monitoring Data	<input type="checkbox"/> Are routinely submitted on time	<input type="checkbox"/> Are of acceptable quality

2. Monitoring data suggests:		
Groundwater plume is effectively contained	<input type="checkbox"/> Contaminant concentrations are declining	

D. Monitored Natural Attenuation**1. Monitoring Wells** (natural attenuation remedy)

Properly secured/locked	Functioning	Routinely sampled	Good condition
All required wells located	Needs Maintenance	N/A	

Remarks _____

X. OTHER REMEDIES

If there are remedies applied at the site which are not covered above, attach an inspection sheet describing the physical nature and condition of any facility associated with the remedy. An example would be soil vapor extraction.

XI. OVERALL OBSERVATIONS**A. Implementation of the Remedy**

Describe issues and observations relating to whether the remedy is effective and functioning as designed. Begin with a brief statement of what the remedy is to accomplish (i.e., to contain contaminant plume, minimize infiltration and gas emission, etc.).

The remedy is designed to accomplish the following objectives:

Prevent potential exposure to contaminated groundwater,

- Prevent further groundwater quality degradation, and
- Restore groundwater quality to the cleanup levels specified in the ROD.

Current issues consist of the following:

- organic contaminants were detected in sentinel monitoring wells MW-11 and MW-15,
- insufficient data are available to complete evaluation of contingency measures that will be implemented in response to these detections, and
- There is a need to investigate the potential installation of irrigation and/or potable water wells on parcels in close proximity to the Chevron property.

The above issues could potentially affect future protectiveness, but do not impact current protectiveness.

B. Adequacy of O&M

Describe issues and observations related to the implementation and scope of O&M procedures. In particular, discuss their relationship to the current and long-term protectiveness of the remedy.

Following the detection of α -BHC in MW-15 in April 2004, the sampling frequency for relevant monitoring wells was increased over the then current monitoring plan. Several new monitoring wells were installed to further

C. Early Indicators of Potential Remedy Problems

Describe issues and observations such as unexpected changes in the cost or scope of O&M or a high frequency of unscheduled repairs, that suggest that the protectiveness of the remedy may be compromised in the future.

Since the detection of organic contaminants in the sentinel wells, the costs of O&M have increased, due to the installation of additional monitoring wells, soil borings, PRBs and increases in the monitoring schedule. These increases in O&M assure current and future protectiveness of the remedy.

D. Opportunities for Optimization

Describe possible opportunities for optimization in monitoring tasks or the operation of the remedy.

Monitoring is currently conducted according to the schedule established in the November 2006 pilot test work plan. A new monitoring program will be developed following completion of the pilot test.



Appendix F

Appendix F: Photographs from December 13, 2007 Site Inspection Visit



Chevron property looking northwest.



Chevron property looking west.



Chevron property looking southwest.



Chevron property looking south.



Chevron property looking northeast towards US Highway 441 and Lake Fairview Commerce Center.



Chevron property purge water treatment area (northeast quarter of site) with drum carcasses staged for disposal.



Lake Fairview Commerce Center looking southwest toward rail road track, US Highway 441 and Reid's repair shop.



Reid's repair shop and previous Armstrong Trailer Park (now lumber company property).



Previous Armstrong Trailer Park laundry room.



Previous Armstrong Trailer Park trailer foundation and road.



Lake Fairview Commerce Center looking southwest.



Monitoring wells MW-11 and MW-29, and Lake Fairview.



Appendix G

Interview Form for Chevron Chemical's Five-Year Review

Site Name: **Chevron Chemical Company**

EPA ID No.: **FLD004064242**

Interviewer Name: **William Denman**

Affiliation: **EPA**

Subject's Name: **Mark Stella**

Affiliation: **Chevron**

Subject's Contact Information: **713-432-2643**

Time: **11 AM** Date: **1/29/08**

Type of Interview (Circle one): In Person Phone **Mail** Other

Location of Interview: **Chevron Office**

Site Owner (Chevron Representative)

1. What is your overall impression of the project?

Chevron and EPA have worked cooperatively and effectively. We have spent significant resources to conduct initial removal efforts at the site, investigate all impacted media, ensure implementation of the ROD, routinely gather and assess data and ensure protectiveness of the remedy, while regularly communicating with, and seeking input from, EPA and state regulatory counterparts.

2. What effect has this site had on your business operations?

None.

3. How well do you believe the remedy currently in place is performing?

The remedy, including its contingency component, was designed to assure protectiveness. I believe it is doing that.

4. Are you aware of any complaints or inquiries regarding environmental issues or the remedial action from site neighbors or surrounding residents in the last five years?

No.

5. What is the status of institutional controls for the site?

The onsite institutional control is still in place.

6. Are you comfortable with the status of the ICs? If no, what do you see as the outstanding issues?

I am comfortable with the status of the onsite IC. Depending upon the result of further investigation and analysis, we may need to consider a temporary off-site IC for any impacted areas.

7. What effect has the site had on the surrounding community? Are you aware of any changes in projected land use at the site?

There was an effect during historical soil excavation at the Armstrong Trailer Park. Other than that, I don't believe there have been any significant effects. I am not aware of any projected land use changes at the Site.

8. Do you feel well informed about the site's activities and progress?

Yes. We have had a cooperative and productive relationship with EPA in implementing the ROD and attaining cleanup goals.

9. Do you have any comments, suggestions, or recommendations regarding the site's management or operation?

No. Chevron is pleased with the management of the site and the cooperative effort between Chevron and the EPA.

Interview Form for Chevron Chemical's Five-Year Review

Site Name: **Chevron Chemical Company**

EPA ID No.: **FLD004064242**

Interviewer Name: **William Denman**

Affiliation: **EPA**

Subject's Name: **Karen Milicic**

Affiliation: **FDEP**

Subject's Contact Information:

Time: **13:35** Date: **12/13/07**

Type of Interview (Circle one): **In Person** Phone Mail Other

Location of Interview: **Site**

FDEP Representative

1. What is your overall impression of the project?

Seems good.

2. How well do you believe the remedy currently in place is performing?

I don't think we have enough data to make that determination.

3. Are you comfortable with the status of the ICs? If no, what do you see as the outstanding issues?

Yes; we need to investigate offsite ICs

4. Are you aware of any complaints or inquiries regarding environmental issues or the remedial action from residents in the last five years?

None/no.

5. Has your office conducted any site-related activities or communications in the last five years? If so, please give purpose and results of these activities.

No.

6. Are you aware of any changes to state laws that might affect the protectiveness of the remedy? Are you aware of any changes in projected land use at the site?

Not at this time; no.

7. Do you feel well informed about the site's activities and progress?

Yes.

8. Do you have any comments, suggestions, or recommendations regarding the site's management or operation?

Continue with the pilot study, meet at a later date to review, and investigate MW-4 as a continuing source area.

Interview Form for Chevron Chemical's Five-Year Review

Site Name: Chevron Chemical Company

EPA ID No.: FLD004064242

Interviewer Name: William Denman

Affiliation: EPA

Subject's Name:

Affiliation: Local Business Owner

Subject's Contact Information:

Time: 10:30 Date: 12/13/07

Type of Interview (Circle one): In Person Phone Mail Other

Location of Interview: At a location near the Site

Local Business Owner

1. Are you aware of the former environmental issues at the Chevron Chemical Company site and what cleanup activities have taken place to date and will take place in the future?

Yes.

2. What is your overall impression of the project?

Know that work is going on, but does not know about details.

3. What effect has this site had on the surrounding community, if any?

Does not think there are any problems, but is not sure what effects that would have and is concerned about effects in case he would have to sell the property. .

4. Have there been any problems with unexpected activity at the site, such as emergency response, vandalism, or trespassing?

None.

5. Do you feel well informed about the site's activities and progress?

Is aware of it but does not know any particulars.

6. Do you have any comments, suggestions, or recommendations regarding the project?

Would like more information about PRBs.

Interview Form for Chevron Chemical's Five-Year Review

Site Name: **Chevron Chemical Company**

EPA ID No.: **FLD004064242**

Interviewer Name: **William Denman**

Affiliation: **EPA**

Subject's Name:

Affiliation: **Local Business Owner**

Subject's Contact Information:

Time: **9:00** Date: **1/3/08**

Type of Interview (Circle one): In Person Phone **Mail** Other

Location of Interview: **Office**

Local Business Owner

1. Are you aware of the former environmental issues at the Chevron Chemical Company site and what cleanup activities have taken place to date and will take place in the future?
Yes.
2. What is your overall impression of the project?
Positive.
3. What effect has this site had on the surrounding community, if any?
Unknown.
4. Have there been any problems with unexpected activity at the site, such as emergency response, vandalism, or trespassing?
No.
5. Do you feel well informed about the site's activities and progress?
Yes.
6. Do you have any comments, suggestions, or recommendations regarding the project?
No.

Interview Form for Chevron Chemical's Five-Year Review

Site Name: Chevron Chemical Company

EPA ID No.: FLD004064242

Interviewer Name: Susan Tobin

Affiliation: Task Environmental

Subject's Name:

Affiliation: Resident

Subject's Contact Information:

Time: 10:40 Date: 12/13/07

Phone Mail Other

Type of Interview (Circle one): In Person

Location of Interview: Laundry room

Local Resident

1. Are you aware of the former environmental issues at the Chevron Chemical Company site and what cleanup activities have taken place to date and will take place in the future?

Yes.

2. What is your overall impression of the project?

Done a good job.

3. What effect has this site had on the surrounding community, if any?

Everyone knows about it.

4. Have there been any problems with unexpected activity at the site, such as emergency response, vandalism, or trespassing?

None.

5. Do you feel well informed about the site's activities and progress?

Curious to know more – send updates.

6. Do you have any comments, suggestions, or recommendations regarding the project?

None.